Manualslib.com - The Global Manuals Library

JVC INTERIART LT-30E45SU SERVICE MANUAL

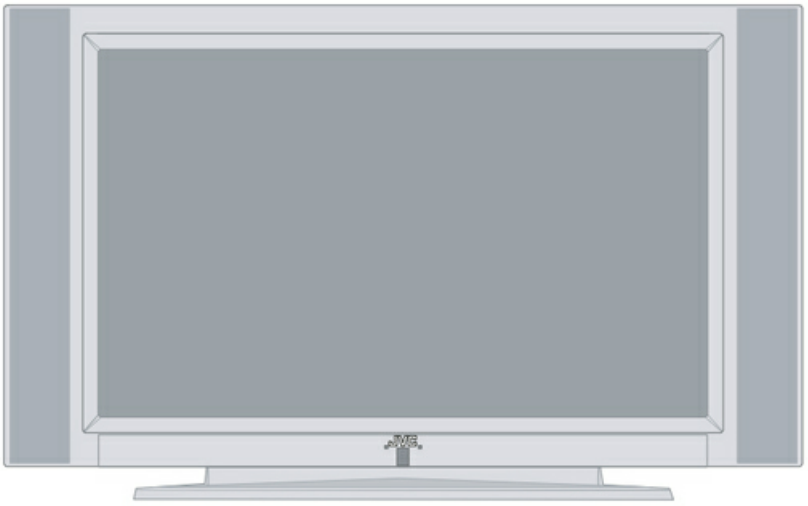


Table of Contents

Table of Contents
SPECIFICATION
SAFETY PRECAUTIONS
SECTION 1 PRECAUTION
INSTALLATION REQUIREMENTS
MAIN DIFFERENCE LIST
SECTION 2 SPECIFIC SERVICE INSTRUCTIONS
OFF TIMER
COLOUR SYSTEM
SERVICE MODE SCREEN

DISASSEMBLY PROCEDURE
SECTION 3 DISASSEMBLY
MEMORY IC REPLACEMENT
SOLDERING IRON
REPLACEMENT STEPS
ADJUSTMENT
TROUBLESHOOTING
SCHEMATIC DIAGRAMS
STANDARD CIRCUIT DIAGRAM
NOTE ON USING CIRCUIT DIAGRAMS
SEMICONDUCTOR SHAPES
BLOCK DIAGRAM
CIRCUIT DIAGRAMS
MAIN PWB ASS'Y
MAIN PWB CIRCUIT DIAGRAM
CONTROL PWB CIRCUIT DIAGRAM
AMPLIFIER PWB CIRCUIT DIAGRAM
AV JACK PWB CIRCUIT DIAGRAM
LED PWB CIRCUIT DIAGRAM
NOISE FILTER PWB CIRCUIT DIAGRAM
REGULATOR PWB CIRCUIT DIAGRAM
PATTERN DIAGRAMS
MAIN PWB PATTERN
AMPLIFIER PWB PATTERN
AV JACK PWB PATTERN
LED PWB PATTERN
CONTROL PWB PATTERN
NOISE FILTER PWB PATTERN
REGULATOR PWB PATTERN

PARTS LIST
USING P.W. BOARD & REMOTE CONTROL UNIT
EXPLODED VIEW PARTS LIST
EXPLODED VIEW
PRINTED WIRING BOARD PARTS LIST
PACKING PARTS LIST
Other ManualsLib Projects

JVC

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-30E45SU,
LT-30E45SJ,
LT-30E45SU/Z,
LT-30E45SU/N

InteriArt

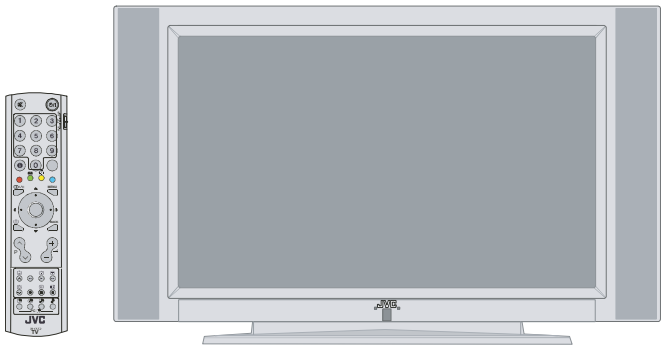


TABLE OF CONTENTS

1 PRECAUTION 1-3
2 SPECIFIC SERVICE INSTRUCTIONS 1-6
3 DISASSEMBLY 1-10
4 ADJUSTMENT 1-16
5 TROUBLESHOOTING 1-16

COPYRIGHT © 2005 Victor Company of Japan, Limited

No.YA232
2005/8

SPECIFICATION

Items		Contents
Dimensions (W × H × D)		84.7cm × 52.2cm × 26.0cm [Included stand] 84.7cm × 49.0cm × 10.2cm [TV only]
Mass		14.8kg [Included stand] 13.0kg [TV only]
Power Input		AC100 to AC240 V, 50 Hz
Power Consumption		150W (Standby: 4.0W)
TV RF System		CCIR B/G, I, D/K, L
Colour System		PAL / SECAM / NTSC 3.58 / NTSC 4.43 (NTSC: EXT only).
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K, L)
Teletext System		FLOF (Fastext), TOP, WST (World Standard System)
Receiving Frequency	VHF UHF CATV	47MHz to 470MHz 470MHz to 862MHz 116MHz to 172MHz / 220MHz to 469MHz
Intermediate Frequency	VIF SIF	38.9MHz(B/G, D/K, I) 33.4MHz(5.5MHz:B/G) / 32.9MHz(6.0MHz:I) / 32.4MHz(6.5MHz:L,D/K)
Colour Sub Carrier Frequency	PAL SECAM NTSC	4.43MHz 4.40625MHz / 4.25MHz 3.58MHz / 4.43MHz
LCD panel		30V-inch wide aspect (15:9)
Screen Size		Diagonal : 51.1cm (H:64.3cm × V : 38.6cm)
Display Pixels		Horizontal : 1280 dots × Vertical : 768 dots (WXGA)
Audio Power Output		8W + 8W(10% THD)
Speaker		5.0cm, round type × 2
Aerial terminal (VHF/UHF)		F-type connector, 75Ω unbalanced, coaxial
EXT-1 / EXT-2 (Input / Output)		21-pin Euro connector (SCART socket) × 2
EXT-3(Input)	Component Video 625p / 525p / 625i / 525i Audio	RCA pin jack × 3 Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
EXT-4 (Input)	S-Video Video Audio	Mini-DIN 4 pin × 1 Y: 1V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1 500mV (rms), High impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz)
PC AUDIO input		3.5mm stereo mini jack × 1
Audio output		500mV (rms), Low impedance, RCA pin jack × 2
Subwoofer output		More than 0 to 1000mV (rms) (+2.2dBs), low impedance (80Hz when modulated 100%), RCA pin jack × 1
Headphone		3.5mm stereo mini jack × 1
Remote Control Unit		RM-C1860 (AA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

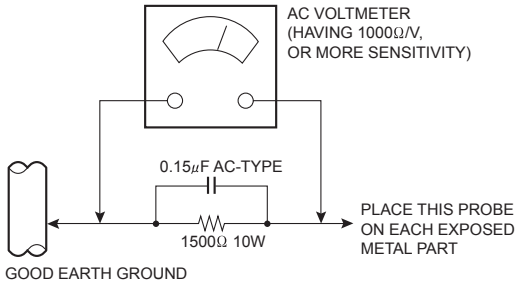
(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

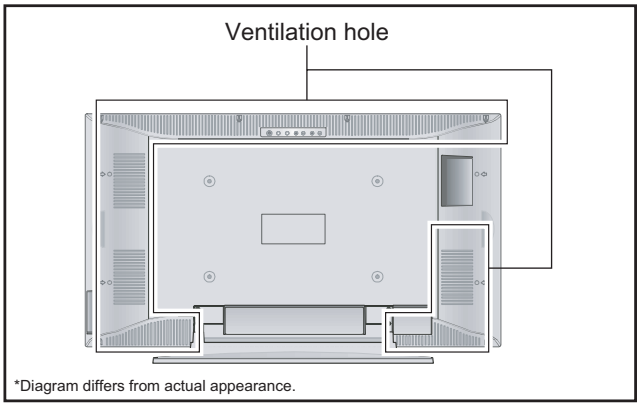


*Diagram differs from actual appearance.

1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

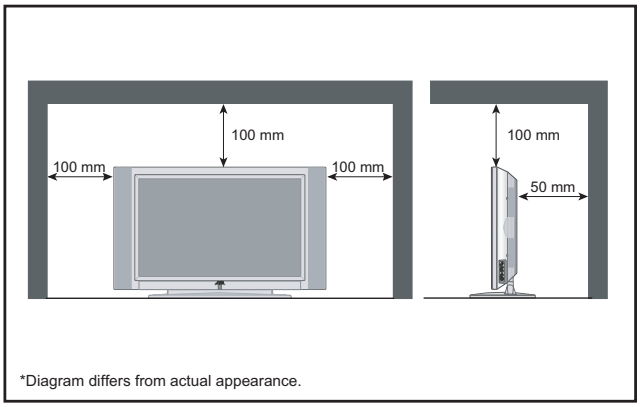


*Diagram differs from actual appearance.

1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

Use the supplied screws to firmly attach the supplied hooks (OPTION) to the back of the TV, and use commercially available cord to fix the TV to rigid components such as walls and columns.

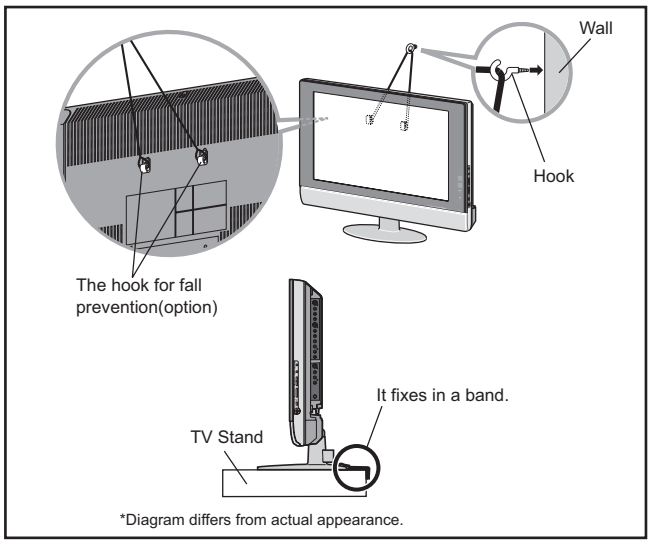


*Diagram differs from actual appearance.

1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

T-V LINK

When you have a T-V LINK compatible VCR connected to the EXT-2 Terminal on the TV,it is easier to set up the VCR and to view videos.

ZOOM

This function can change the screen size according to the picture aspect ratio.

OFF TIMER

This function can set the TV to automatically turn off after a set time.

COLOUR SYSTEM

If the picture is not clear or no colour appears, change the current colour system to another colour system.

2.2 MAIN DIFFERENCE LIST

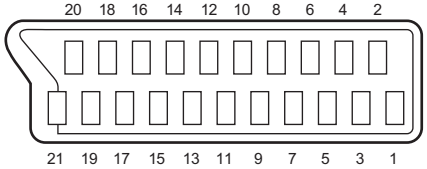
Items	LT-30E45SU	LT-30E45SJ	LT-30E45SU/Z	LT-30E45SU/N
POWER CORD	EU type(2-pin)	UK type(3-pin)	SWE Type(3-pin)	EU type(2-pin)
AV JACK PWB	VE-20185947	←	←	VE-20148274

2.3 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal),, Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal),, High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal),, Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal),, High impedance	Used (L1)	Used (L2)
7	B input	$700mV_{(B-W)}$, 75Ω	Used	Used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2 / TV-LINK)
11	G input	$700mV_{(B-W)}$, 75Ω	Used	Used
12	SDA		Not used	Used (SDA2)
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : $700mV_{(B-W)}$, 75Ω C : $300mV_{(P-P)}$, 75Ω	Used (R)	Used (C2/R)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	$1V_{(P-P)}$ (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	$1V_{(P-P)}$ (Negative sync), 75Ω	Used	Used
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



2.4 TECHNICAL INFORMATION

2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.
Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	Remarks
Displayed colour	16777216 colours	256 colours for R, G, and B
Brightness	500cd/m^2	
Contrast ratio	600: 1	
Response time	15ms	
View angle	Horizontally: 170°, Vertically: 170°	

2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

■ **BRIGHT FAULT**

In this pixel fault, a cell that should not light originally is lighting on and off.
For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

■ **DARK FAULT**

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

■ **FLICKER FAULT**

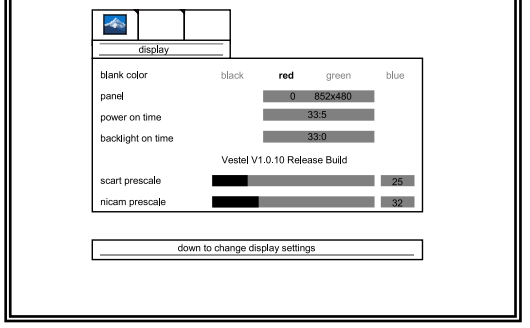
In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.5 BASIC OPERATION OF SERVICE MODE

2.5.1 HOW TO ENTER THE SERVICE MODE

(1) Press **[MENU]** key on the remote control unit simultaneously to display the MENU SCREEN.
(2) In the MENU SCREEN, press the **[4]** ,**[7]** ,**[2]** and **[5]** key.
(3) The following menu appears on the screen.

SERVICE MODE SCREEN



2.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[MENU]** key to exit the Service mode.

2.5.3 CHANGE AND MEMORY OF SETTING VALUE

■ **SELECTION OF SETTING MENU & ITEM**

- **[FUNCTION ▲/▼]** key: Select the SETTING MENU & ITEM
- **[OK]** key: Decision the SETTING MENU & ITEM

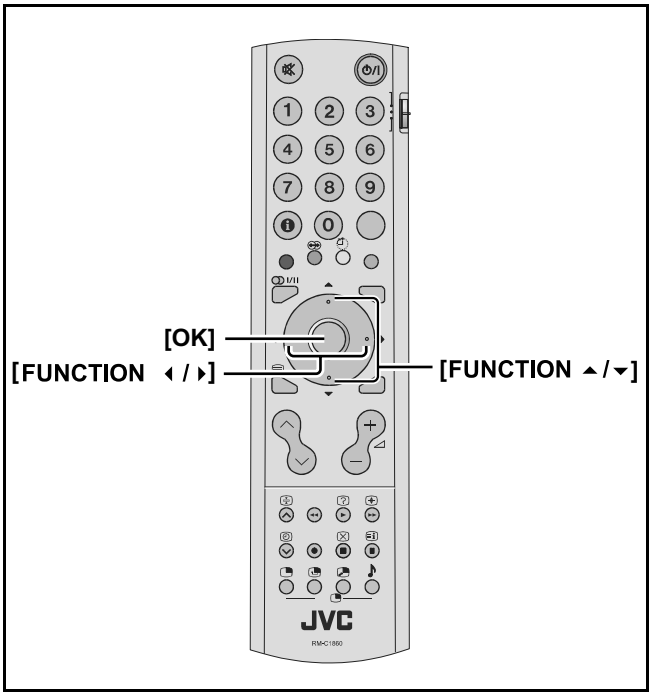
■ **CHANGE OF SETTING VALUE (DATA)**

- **[FUNCTION ◀ / ▶]** key.

■ **MEMORY OF SETTING VALUE (DATA)**

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys

2.5.4 SERVICE MODE SELECT KEY LOCATION



2.5.5 SERVICE MODE SETTING ITEMS

Setting menu	Setting items	Variable range	Setting value
display	blank color	brack / red / green / blue	black
	scart prescale	0 - 127	14
	nicam prescale	0 - 127	35
	fm/am prescale	0 - 127	16
	subwoofer corner	0 - 7	5
	subwoofer level	0 - 32	32
	agc	0 - 31	16
calibration	color temperature	5500K / 6500K / 7500K / 9300K / user	5500K
	color temperature-user	5500K / 6500K / 7500K / 9300K	5500K
	video format	auto / ntsc / pal / secam / ntsc	auto
	color space	RGB / YPbPr SMPTE240 / YPbPr REC709 / YCbCr REC601	RGB
	test pattern	none / solid color / vert bars.	none
	color components	all / red / green / blue.	all
	solid field level	0 - 64	33
	initial aps	on / off	on
deinterlacer	black expansion	on / off	These values are notrecorded for this reasonthey are adjust-ed to aspecified value.
	dcti	0 - 255	
	dlti	0 - 255	
	luminance peaking	on / off	
	film mode	on / off	
	film mode speed	0 / 1 / 2 / 3	
	vof	on / off	
	bad cut	on / off	
	nr threshold	low / high	
	noise reduction	0 - 255	
	lai level	0 / 1 / 2	
	sharpness	0 - 255	
	sparkle	0 - 255	

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

NOTE:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE STAND (Fig.1)

(1) Remove the 4 screws **[A]**, then remove the STAND.

3.1.2 REMOVING THE REAR COVER (Fig.1)

- Remove the STAND.

(1) Remove the 12 screws **[B]** and 4 screws **[C]**, then remove the REAR COVER.

3.1.3 REMOVING THE MAIN PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 4 screws **[D]**, then remove the RIGHT FRAME.
(2) Remove the 4 screws **[E]**, then remove the LEFT FRAME.
(3) Remove the 2 screws **[W]**, then remove the TERMINAL BASE.
(4) Remove the 8 screws **[F]** and 2 screws **[G]**, then remove the MAIN PWB.

3.1.4 REMOVING THE POWER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 4 screws **[H]**, then remove the POWER PWB.

3.1.5 REMOVING THE POWER UNIT (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 4 screws **[J]**, then remove the POWER UNIT.

3.1.6 REMOVING THE CONTROL BOTTON PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 3 screws **[K]**, then remove the CONTROL BOTTON PWB.

3.1.7 REMOVING THE FAV PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 2 screws **[L]**, then remove the CONTROL BASE with FAV PWB.
(2) Remove the 2 screws **[M]**, then remove the FAV PWB from the CONTROL BASE.

3.1.8 REMOVING THE AMPLIFIRE PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 4 screws **[N]**, then remove the AMPLIFIRE PWB.

3.1.9 REMOVING THE NOISE FILTER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 3 screws **[P]**, 2 screws **[R]** and 1 screw **[Q]**, then remove the NOISE FILTER PWB.

3.1.10 REMOVING THE LED PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 2 screws **[T]**, then remove the LED PWB.

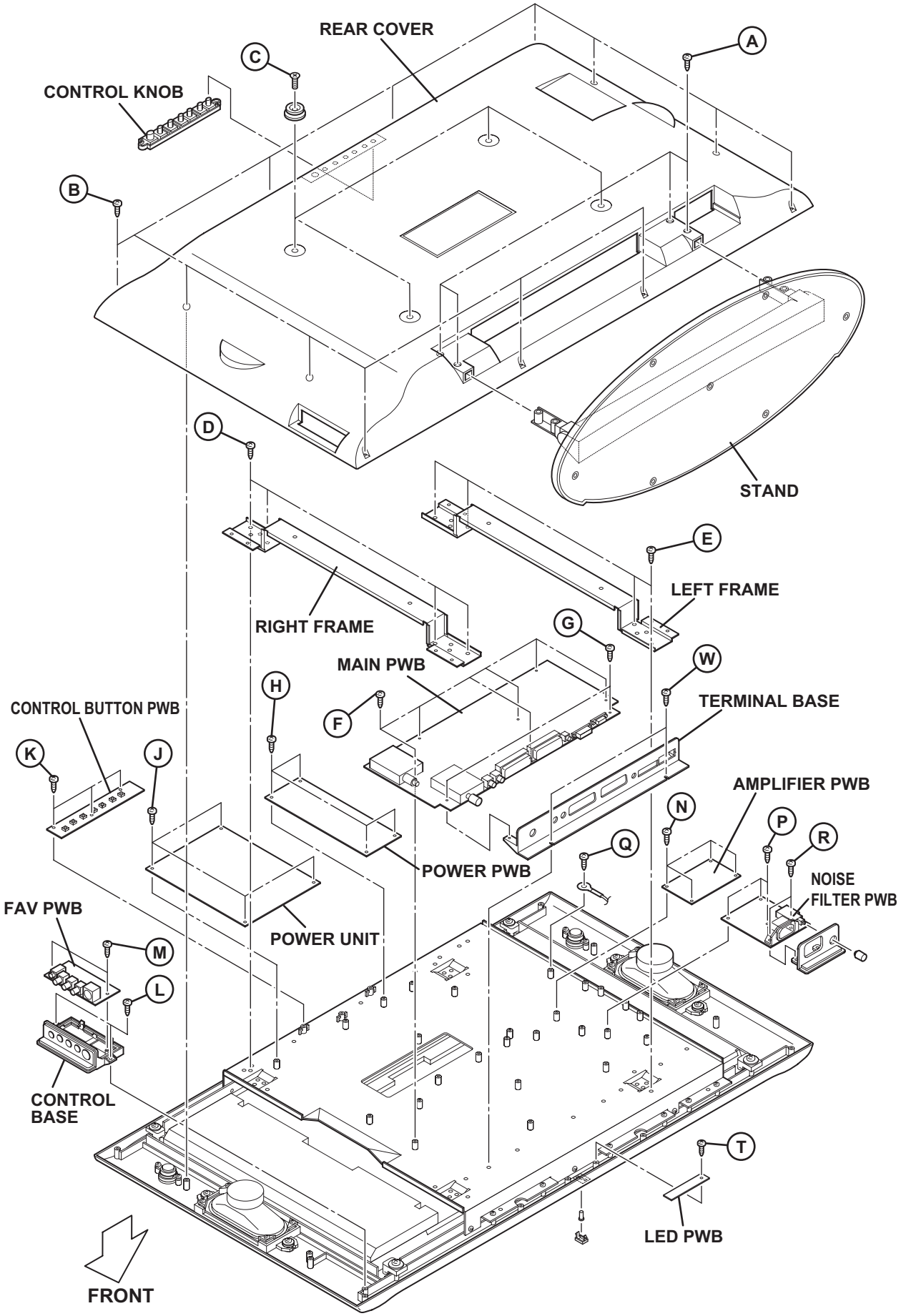

REAR COVER
A
C
CONTROL KNOB
B
STAND
D
E
LEFT FRAME
RIGHT FRAME
G
W
MAIN PWB
H
TERMINAL BASE
CONTROL BUTTON PWB
F
K
J
AMPLIFIER PWB
N
P
R
Q
POWER PWB
NOISE
FILTER PWB
FAV PWB
POWER UNIT
M
L
CONTROL
BASE
T
LED PWB
FRONT

Fig.1

3.1.11 REMOVING THE SPEAKER (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 4 screws **[A]**, then remove the SPEAKER with SPEAKER BASE.
  (2) Remove the 4 screws **[B]**, then remove the SUB SPEAKER (L/R).
  (3) Remove the 8 screws **[C]**, then remove the SPEAKER from the SPEAKER BASE.

3.1.12 REMOVING THE LCD PANEL UNIT (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 4 screws **[D]** and the 12 screws **[E]**, then remove the LCD PANEL UNIT with the MAIN BASE.
  (2) Remove the 4 screws **[F]**, then remove the MAIN BASE from the LCD PANEL UNIT.

NOTE:

- Pay special attention not to break or damage on the LCD PANEL face or frame.
- The LCD PANEL UNIT is fixed to the FRONT COVER (at the back side) by using double-side adhesive tapes. To remove the LCD PANEL UNIT, remove the adhesive tape on the FRONT PANELslowly.

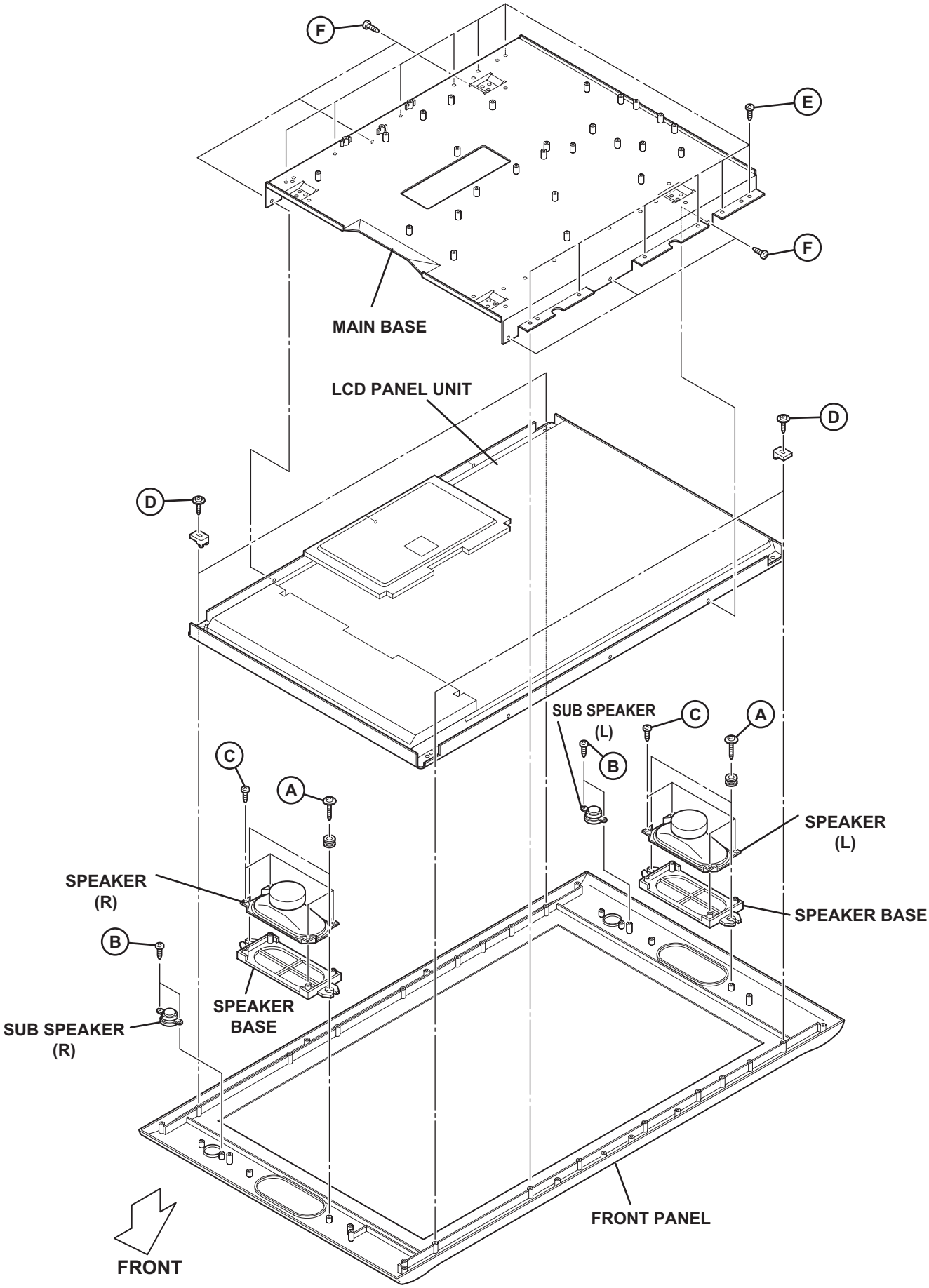

F
E
F
MAIN BASE
LCD PANEL UNIT
D
D
SUB SPEAKER
(L)
C
A
B
SPEAKER
(L)
SPEAKER BASE
C
A
SPEAKER
(R)
B
SUB SPEAKER
(R)
SPEAKER
BASE
FRONT PANEL
FRONT

Fig.2

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 SETTINGS OF FACTORY SHIPMENT

3.2.1.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
VOLUME	21
TV/AV	TV

3.2.1.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
ZOOM	AUTO

3.2.1.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item	Setting position
brightness	61
Contrast	36
Sharpness	50
Color	43
tint	50
phase (PC signal input only)	50

(2) WINDOW

Setting item		Setting position
image size	TV/EXT	Auto
	PC	Fill all
pip size (pip selected only)		10
pip position (pip selected only)		upper left posision
h position (PC signal input only)		10
v position (PC signal input only)		21

(3) AUDIO

Setting item		Setting position
volume		21
hp volume		19
hp sound mode		Autodetected
balance		0
equalizer	120Hz	flat
	500Hz	flat
	1.5kHz	flat
	5kHz	flat
	10kHz	flat
hyper sound		OFF
Dynamic bass		OFF

(4) OPTIONS

Setting item	Setting position
language	english
vcr	OFF
osd timeout	15
menu background	Translucent
child lock	OFF
scart 2 out	Scart 1
sleep timer	0

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

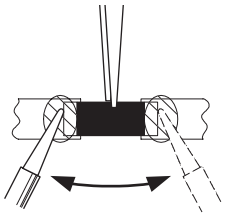
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

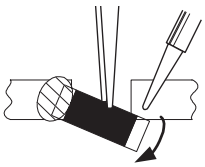
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



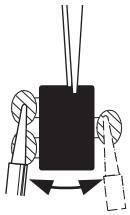
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

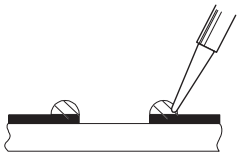


NOTE :
After removing the part, remove remaining solder from the pattern.

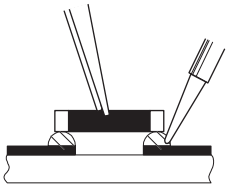
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

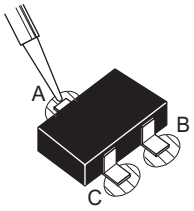


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

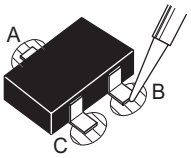


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY DISPLAY CATEGORY 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA232)

Printed in Japan
VPT

JVC

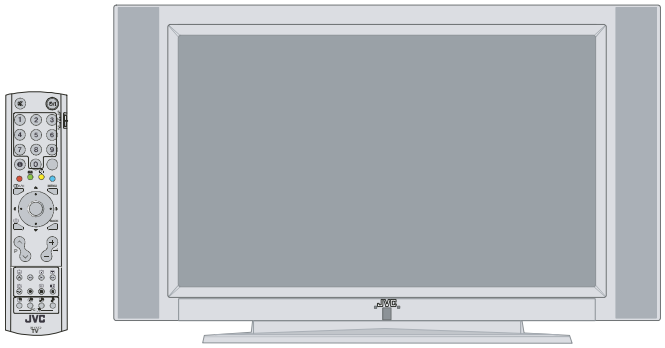
SCHEMATIC DIAGRAMS

WIDE LCD PANEL TELEVISION

LT-30E45SU,
LT-30E45SJ,
LT-30E45SU/Z,
LT-30E45SU/N

CD-ROM No.SML200508

InteriArt



COPYRIGHT © 2005 Victor Company of Japan, Limited

No.YA232
2005/8

LT-30E45SU, LT-30E45SJ, LT-30E45SU/Z, LT-30E45SU/N
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20μs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

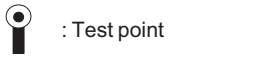
(3)Coils

No unit	: [μH]
Others	: As specified

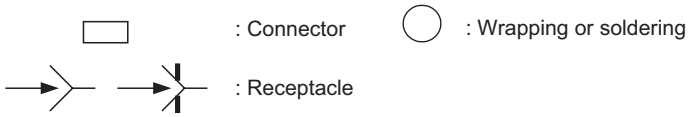
(4)Power Supply

∗ Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

: LIVE side ground
: ISOLATED(NEUTRAL) side ground
: EARTH ground
: DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

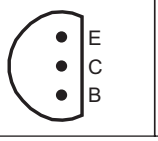
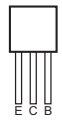
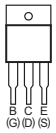
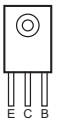
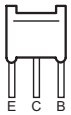
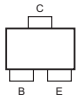
CONTENTS

SEMICONDUCTOR SHAPES 2-2
BLOCK DIAGRAM 2-3
CIRCUIT DIAGRAMS
MAIN PWB CIRCUIT DIAGRAM 2-5
CONTROL PWB CIRCUIT DIAGRAM 2-24
AMPLIFIER PWB CIRCUIT DIAGRAM 2-25
AV JACK PWB CIRCUIT DIAGRAM 2-27
LED PWB CIRCUIT DIAGRAM 2-28
NOISE FILTER PWB CIRCUIT DIAGRAM 2-28
REGULATOR PWB CIRCUIT DIAGRAM 2-29
PATTERN DIAGRAMS
MAIN PWB PATTERN 2-31
AMPLIFIER PWB PATTERN 2-33
AV JACK PWB PATTERN 2-33
LED PWB PATTERN 2-33
CONTROL PWB PATTERN 2-33
NOISE FILTER PWB PATTERN 2-34
REGULATOR PWB PATTERN 2-34
USING P.W. BOARD

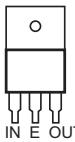
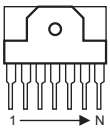
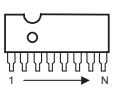
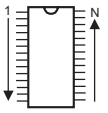
P.W.B ASS'Y name	LT-30E45SJ	LT-30E45SU	LT-30E45SU/N	LT-30E45SU/Z
CONTROL P.W. BOARD	VE-20148281	←	←	←
LED P.W. BOARD	VE-20167056	←	←	←
AV JACK P.W. BOARD	VE-20185947	←	VE-20148274	VE-20185947
REGULATOR P.W. BOARD	VE-20151250	←	←	←
NOISE FILTER P.W. BOARD	VE-20154613	←	←	←
MAIN P.W. BOARD	VE-20185787	←	←	←
AMPLIFIER P.W. BOARD	VE-20154273	←	←	←

SEMICONDUCTOR SHAPES

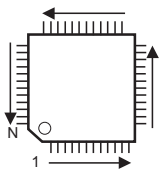
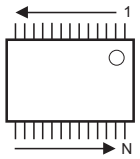
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

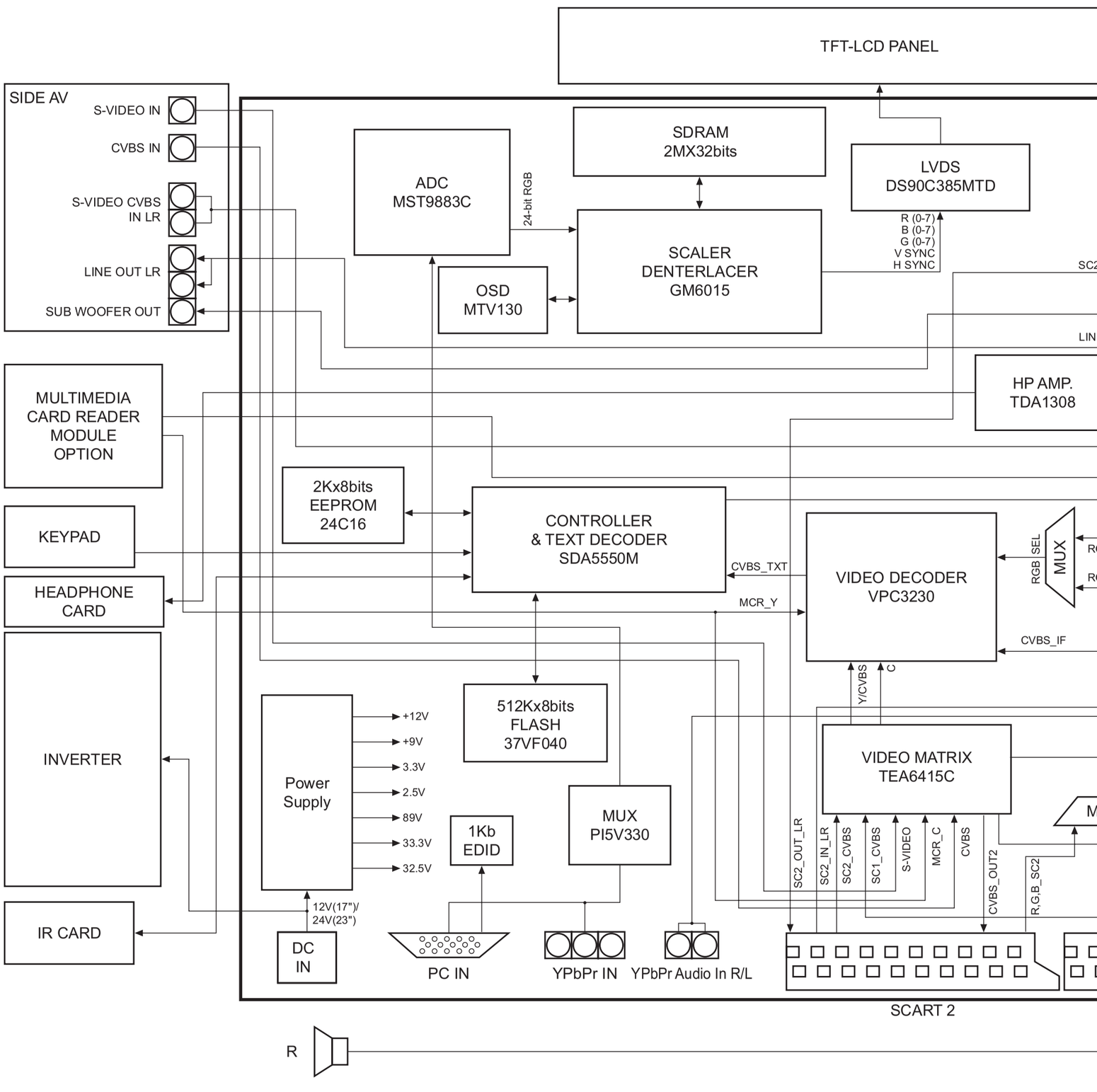
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

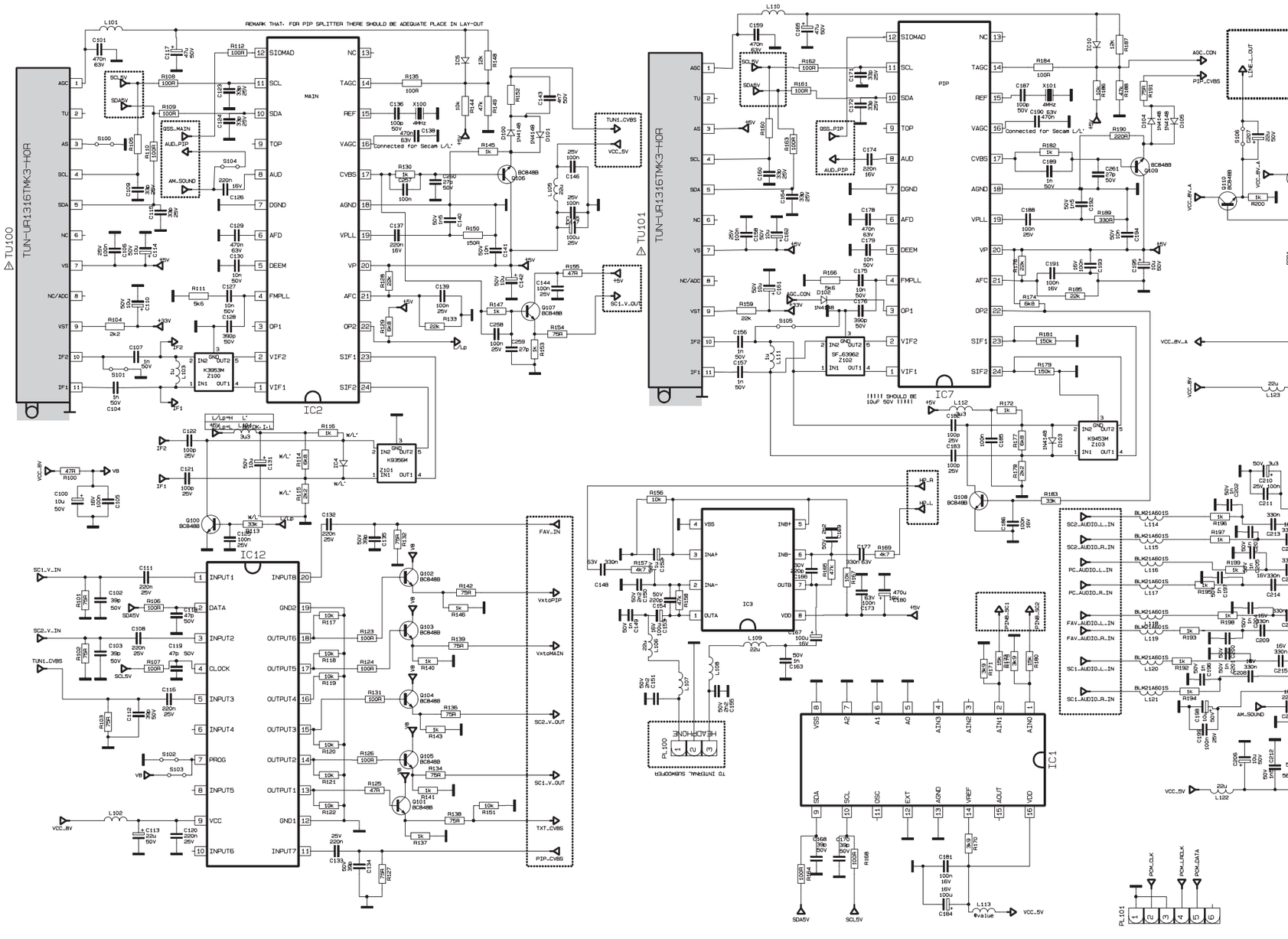
TOP VIEW		
		

BLOCK DIAGRAM

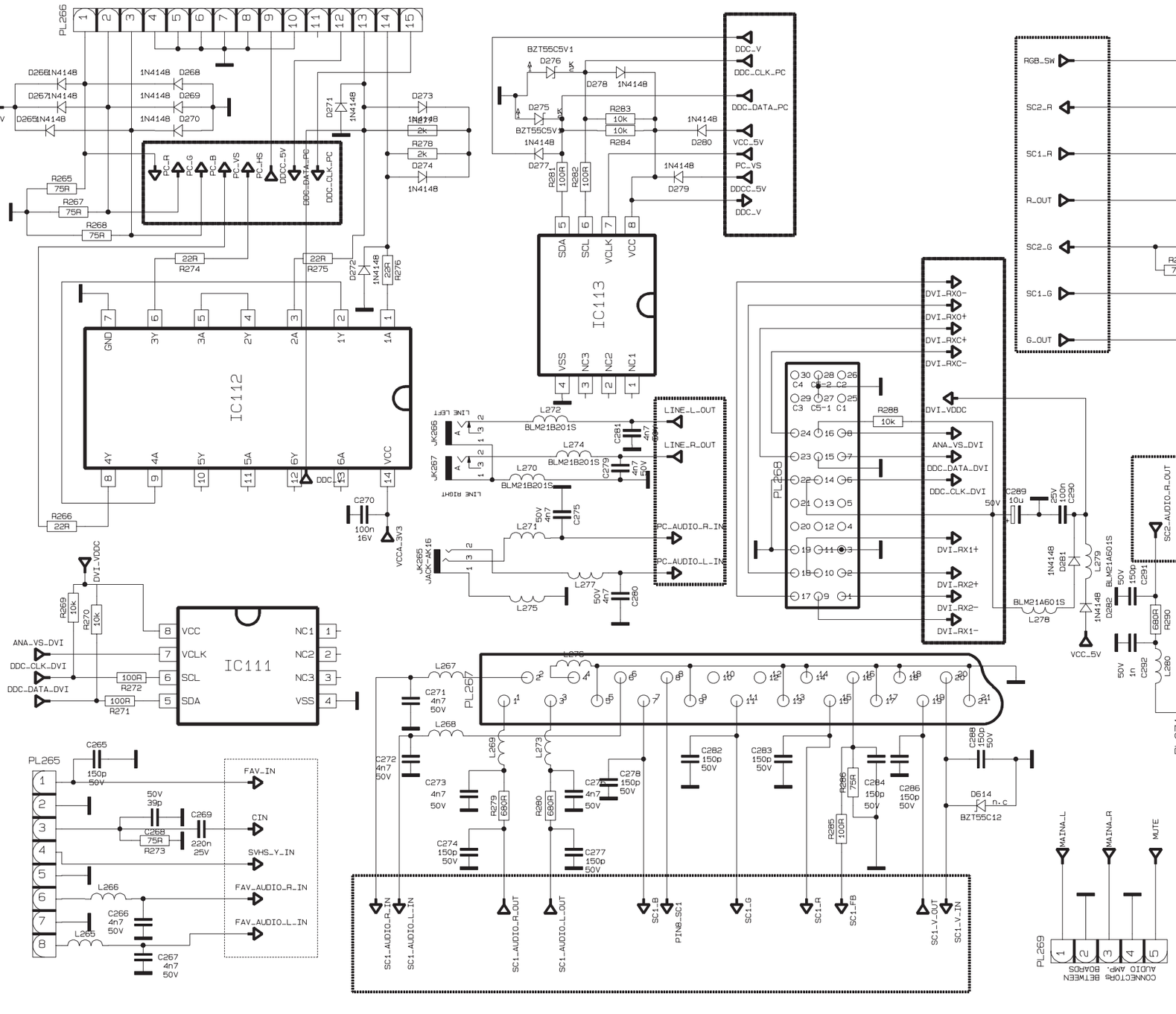


CIRCUIT DIAGRAMS

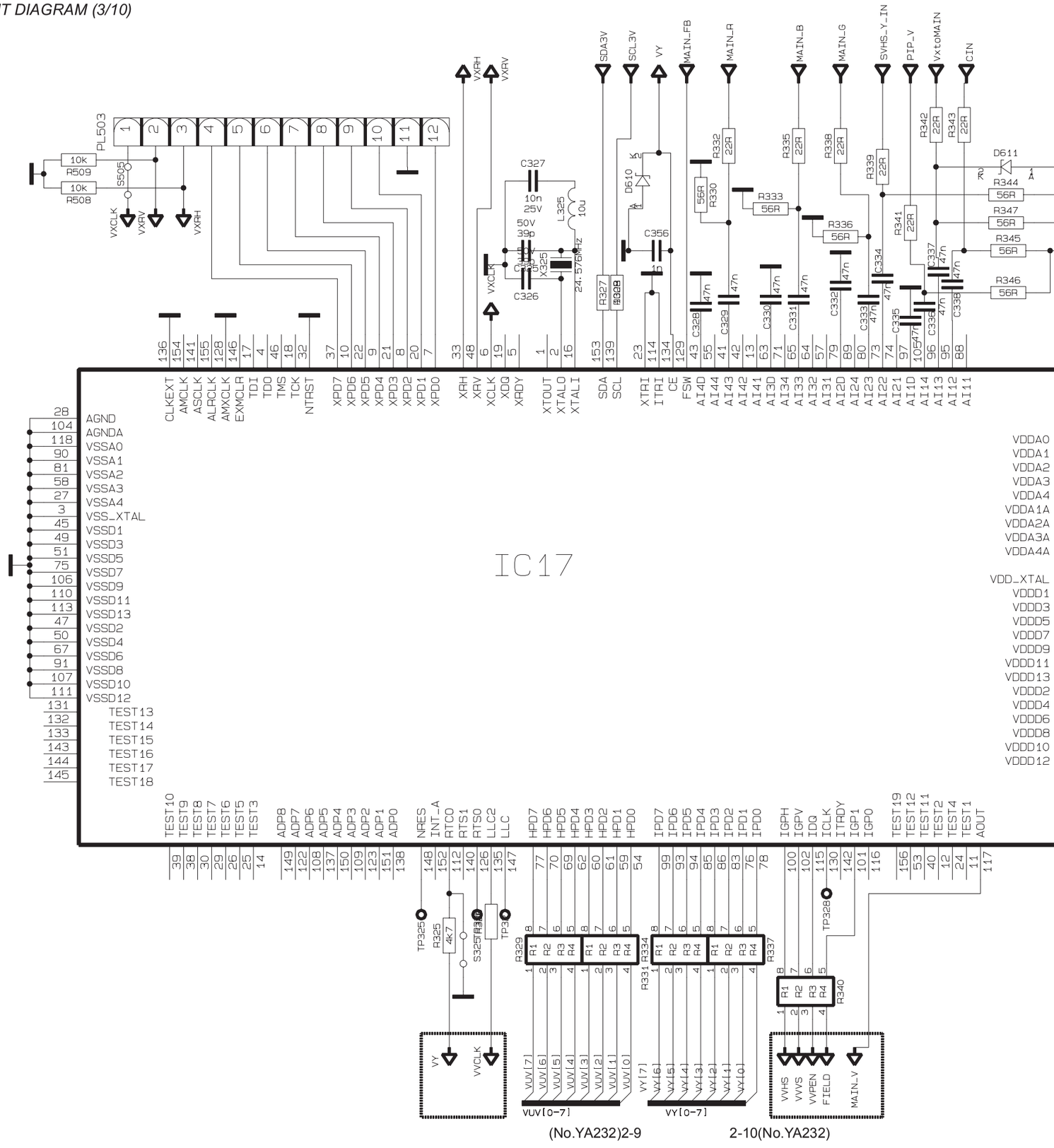
MAIN PWB CIRCUIT DIAGRAM (1/10)



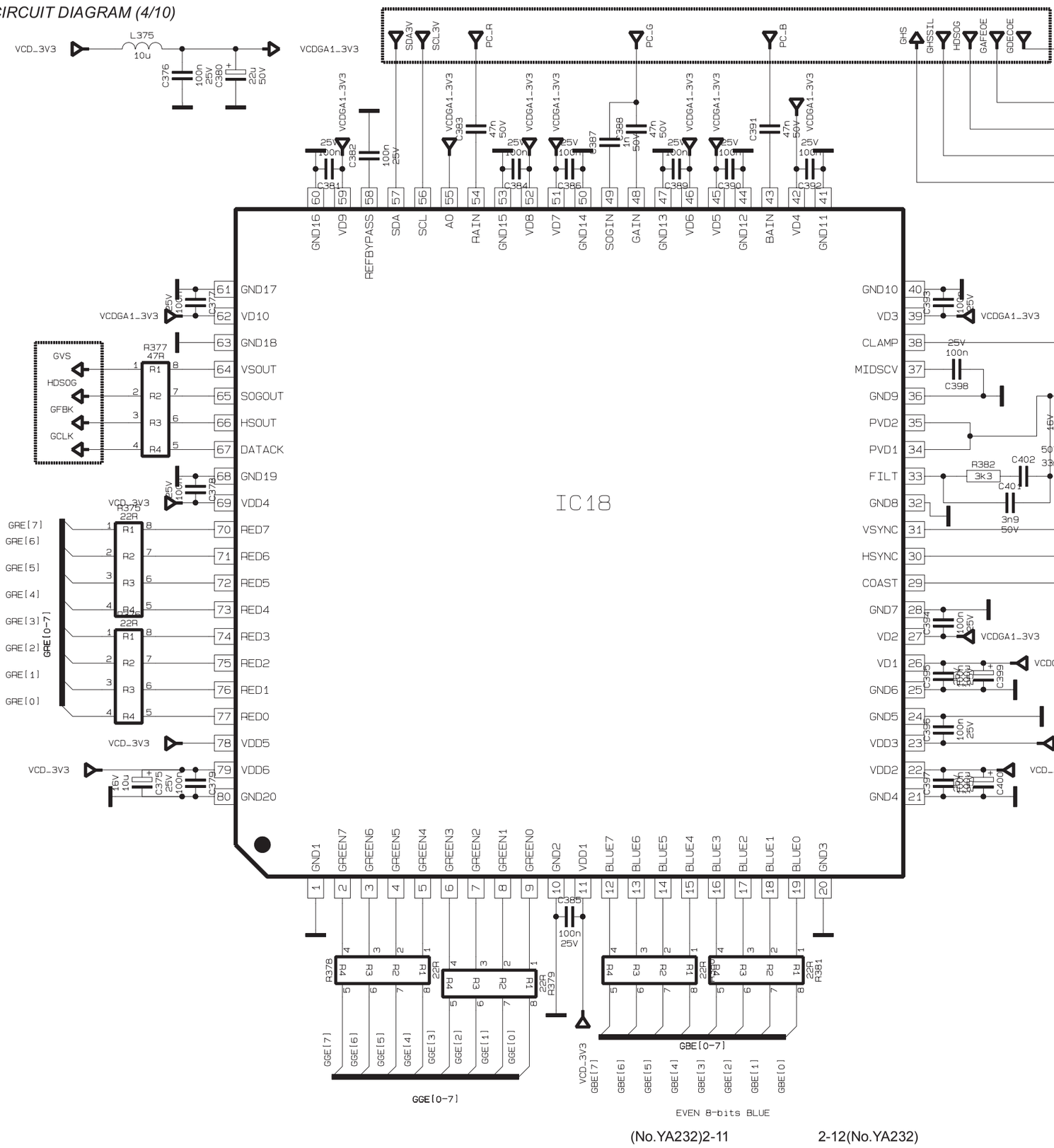
MAIN PWB CIRCUIT DIAGRAM (2/10)



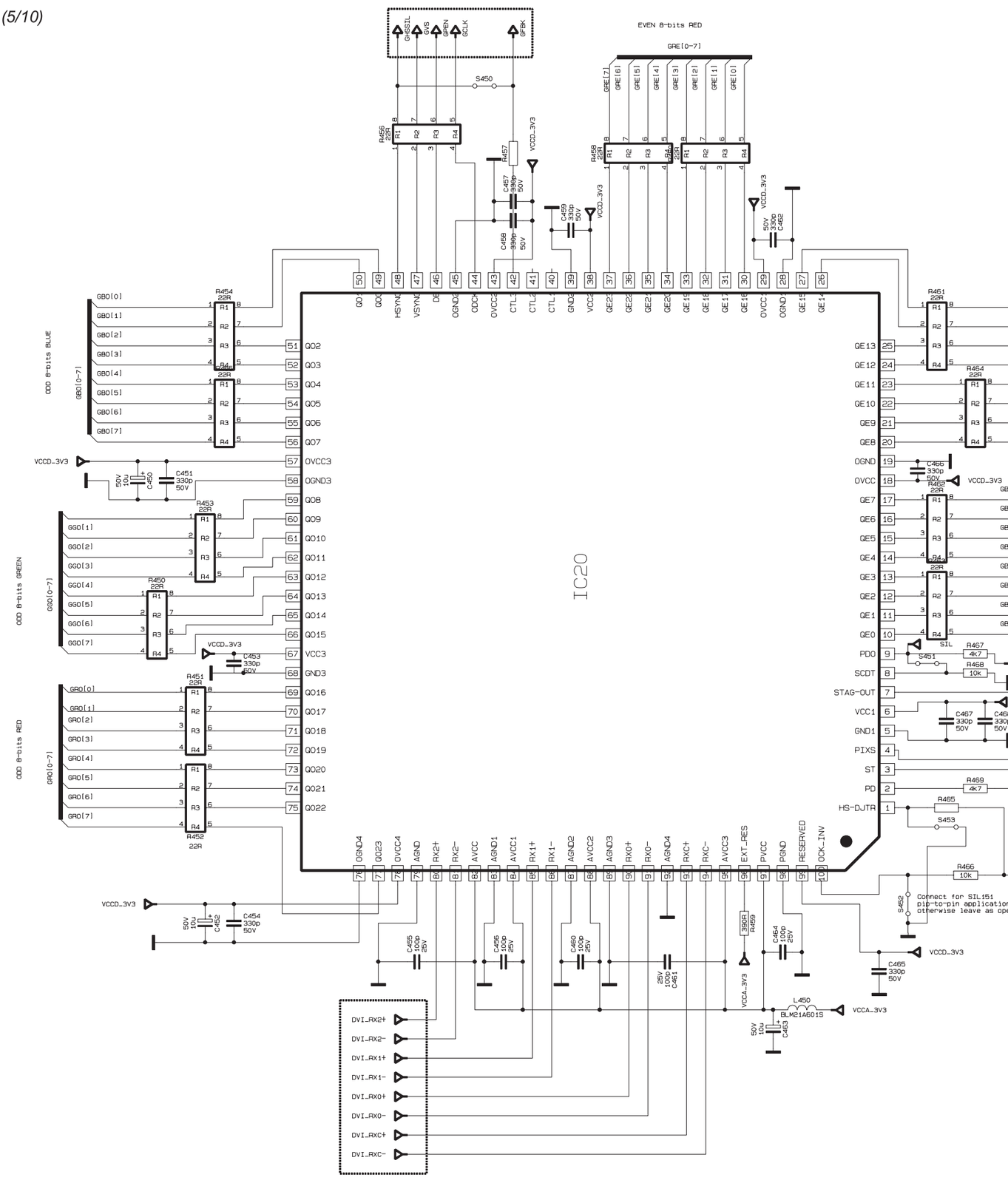
MAIN PWB CIRCUIT DIAGRAM (3/10)



MAIN PWB CIRCUIT DIAGRAM (4/10)

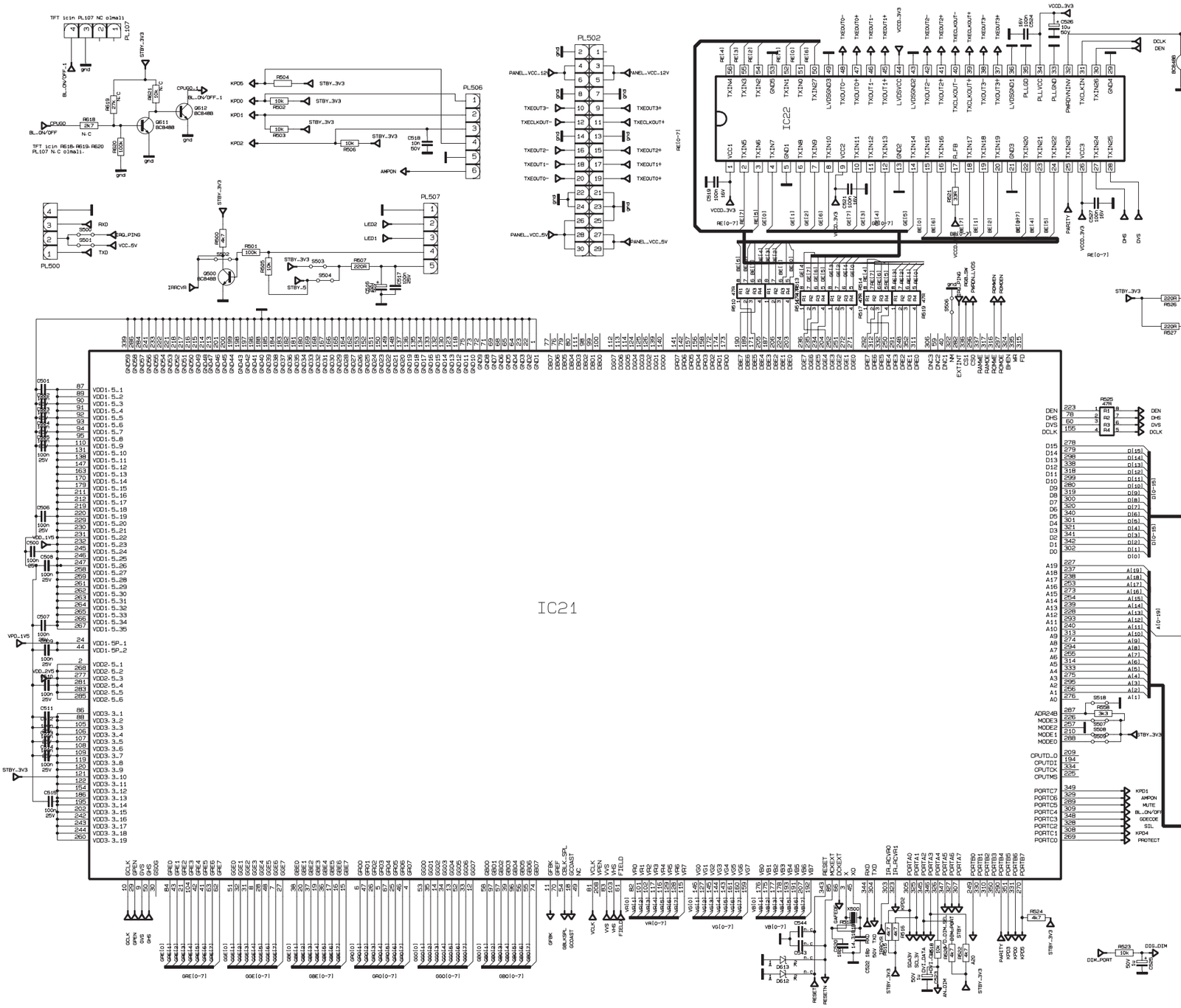


MAIN PWB CIRCUIT DIAGRAM (5/10)

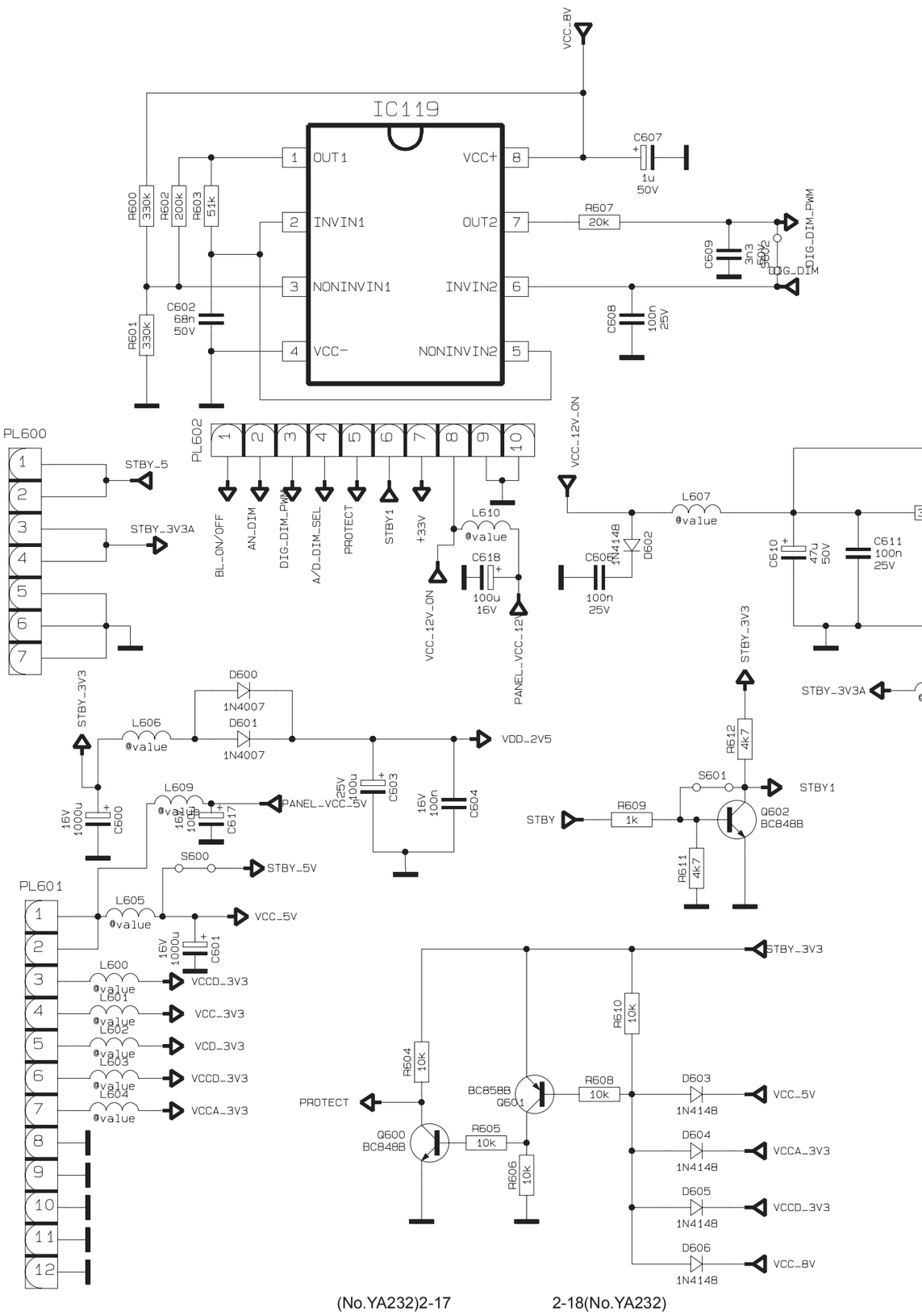


MAIN PWB CIRCUIT DIAGRAM (6/10)

NOTE : Refer to th



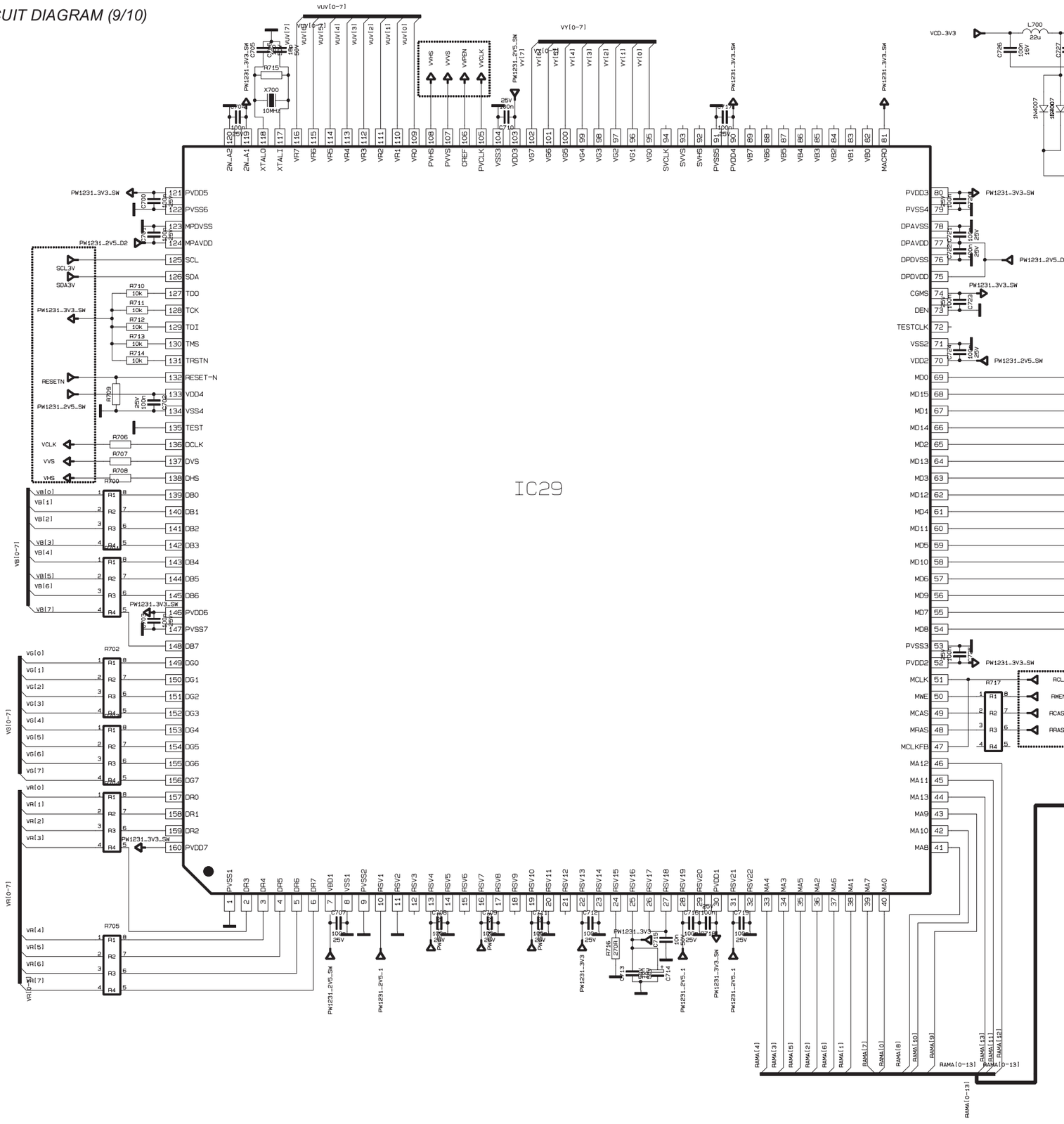
MAIN PWB CIRCUIT DIAGRAM (7/10)



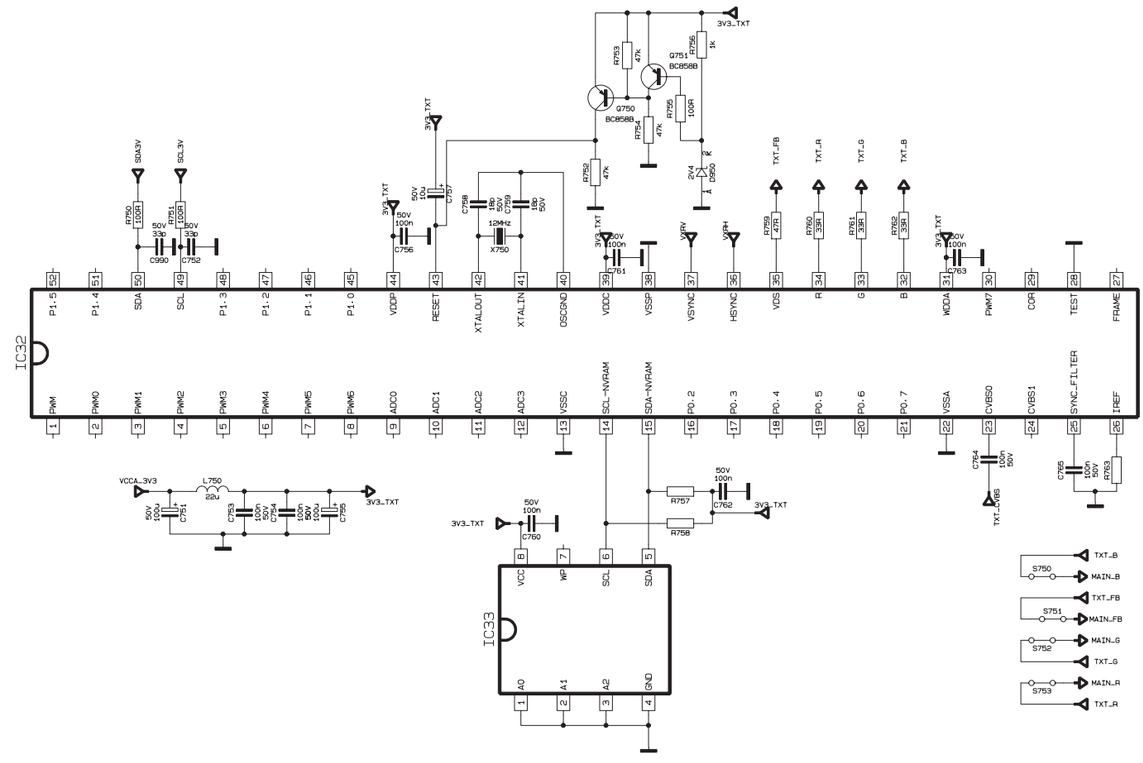
MAIN PWB ASS'Y(7/10)
VE-20185787

28 AGND
104 AGNDA
118 VSSA0
90 VSSA1
81 VSSA2
58 VSSA3
27 VSSA4
3 VSS_XTAL
45 VSSD1
49 VSSD3
51 VSSD5
75 VSSD7
106 VSSD9
110 VSSD11
113 VSSD13
47 VSSD2
50 VSSD4
67 VSSD6
91 VSSD8
107 VSSD10
111 VSSD12
131 TEST13
132 TEST14
133 TEST15
143 TEST16
144 TEST17
145 TEST18
39 TEST10
38 TEST9
30 TEST8
29 TEST7
26 TEST6
25 TEST5
14 TEST3
149 ADP8
122 ADP7
108 ADP6
137 ADP5
150 ADP4
109 ADP3
123 ADP2
151 ADP1
138 ADP0
148 NRES
152 INT_A
112 RTC0
140 RTS1
126 RTS0
135 LLC2
147 LLC
VX_3V3
R650
S650
GBE[7]
GBE[6]
GBE[5]
GBE[4]
GBE[3]
GBE[2]
GBE[1]
GBE[0]
GBE[0-7]
R653
77 HPD7
70 HPD6
69 HPD5
62 HPD4
60 HPD3
61 HPD2
59 HPD1
54 HPD0
GGE[7]
GGE[6]
GGE[5]
GGE[4]
GGE[3]
GGE[2]
GGE[1]
GGE[0]
GGE[0-7]
R655
R658
99 IPD7
93 IPD6
94 IPD5
85 IPD4
86 IPD3
83 IPD2
76 IPD1
78 IPD0
R661
GHS
GVS
GPEN
GCLK
PIP_V
R663
100 IGPH
102 IGPV
115 IDQ
130 ICLK
142 ITRDY
101 IGP1
116 IGP0
136 CLKEXT
154 AMCLK
141 ASCLK
155 ALRCLK
128 AMXCLK
146 EXMCLR
17 TDI
4 TDO
46 TMS
18 TCK
32 NTRST
37 XPD7
10 XPD6
22 XPD5
9 XPD4
21 XPD3
8 XPD2
20 XPD1
7 XPD0
33 XRH
48 XRV
6 XCLK
19 XDQ
5 XRDY
1 XTOUT
2 XTALO
16 XTALI
153 SDA
139 SCL
23 XTRI
114 ITRI
134 CE
129 FSW
43 AI4D
55 AI44
41 AI43
42 AI42
13 AI41
63 AI3D
71 AI34
65 AI33
64 AI32
57 AI31
79 AI2D
89 AI24
80 AI23
73 AI22
74
R908 10k
R909 10k
PL603
GXCLK
S905
GXRV
GXRH
GXRH
GXRV
GXCLK
C652 33p 50V
C651 33p 50V
X650
24.576MHz
C650 10n 25V
10u
L650
R651
R652
C682 1n 50V N.C
D608 N.C
SDA3V
SCL3V
GDECOE
FB_OUT
C653 47n
C654 47n
56R R654
R656 22R
R_OUT
C655 47n
56R R657
C656 47n
R659 22R
B_OUT
C657 47n
56R R660
R662 22R
G_OUT
C658 47n
C659

MAIN PWB CIRCUIT DIAGRAM (9/10)



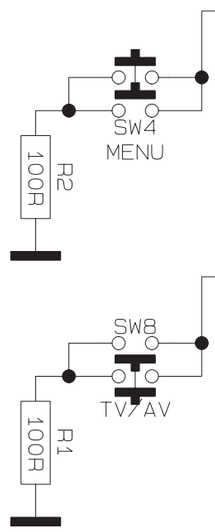
MAIN PWB CIRCUIT DIAGRAM (10/10)



MAIN PWB ASS'Y(10/10)
VE-20185787

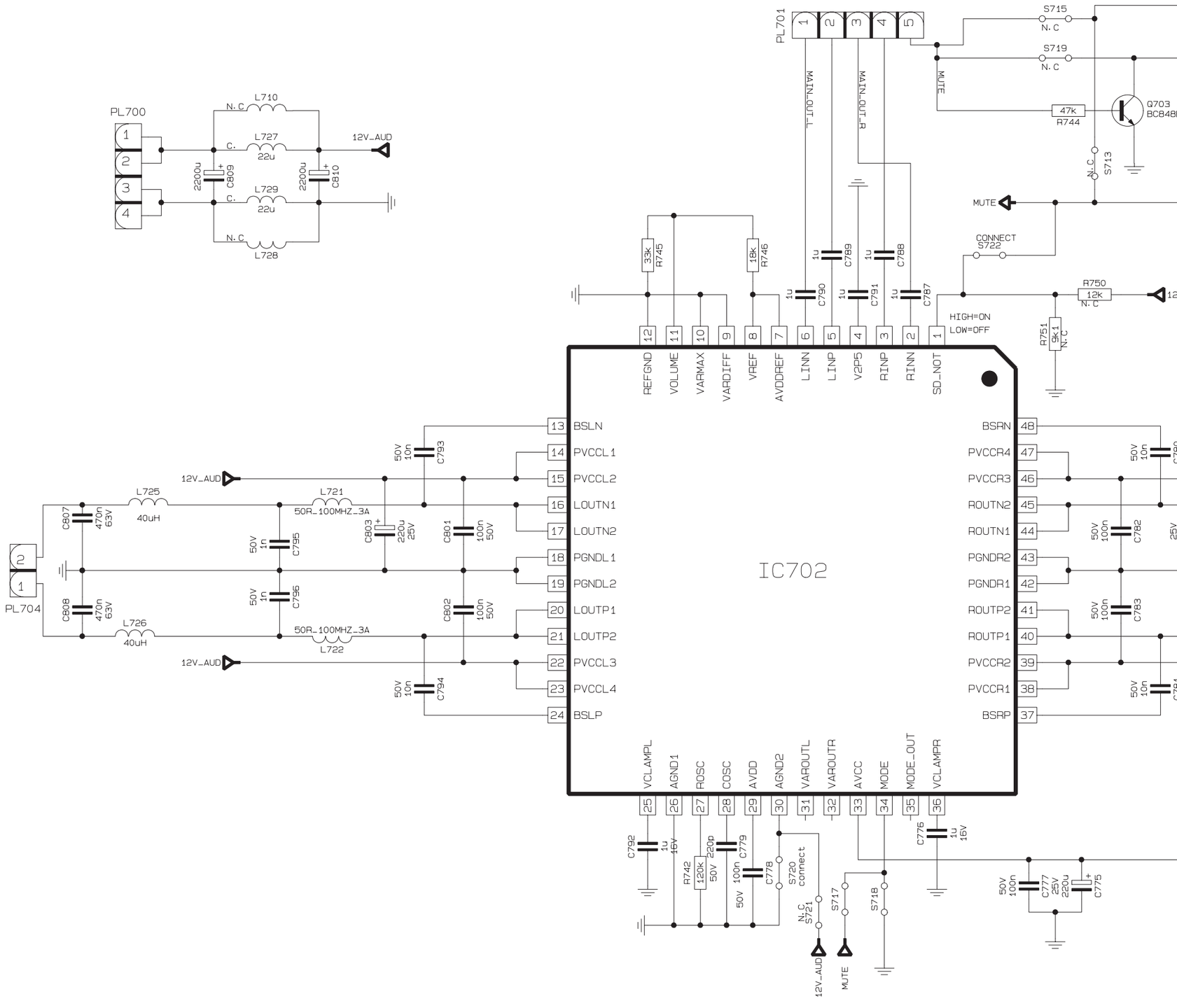
NOTE : Refer to the part list for the part number of IC33.

CONTROL PWB CIRCUIT DIAGR

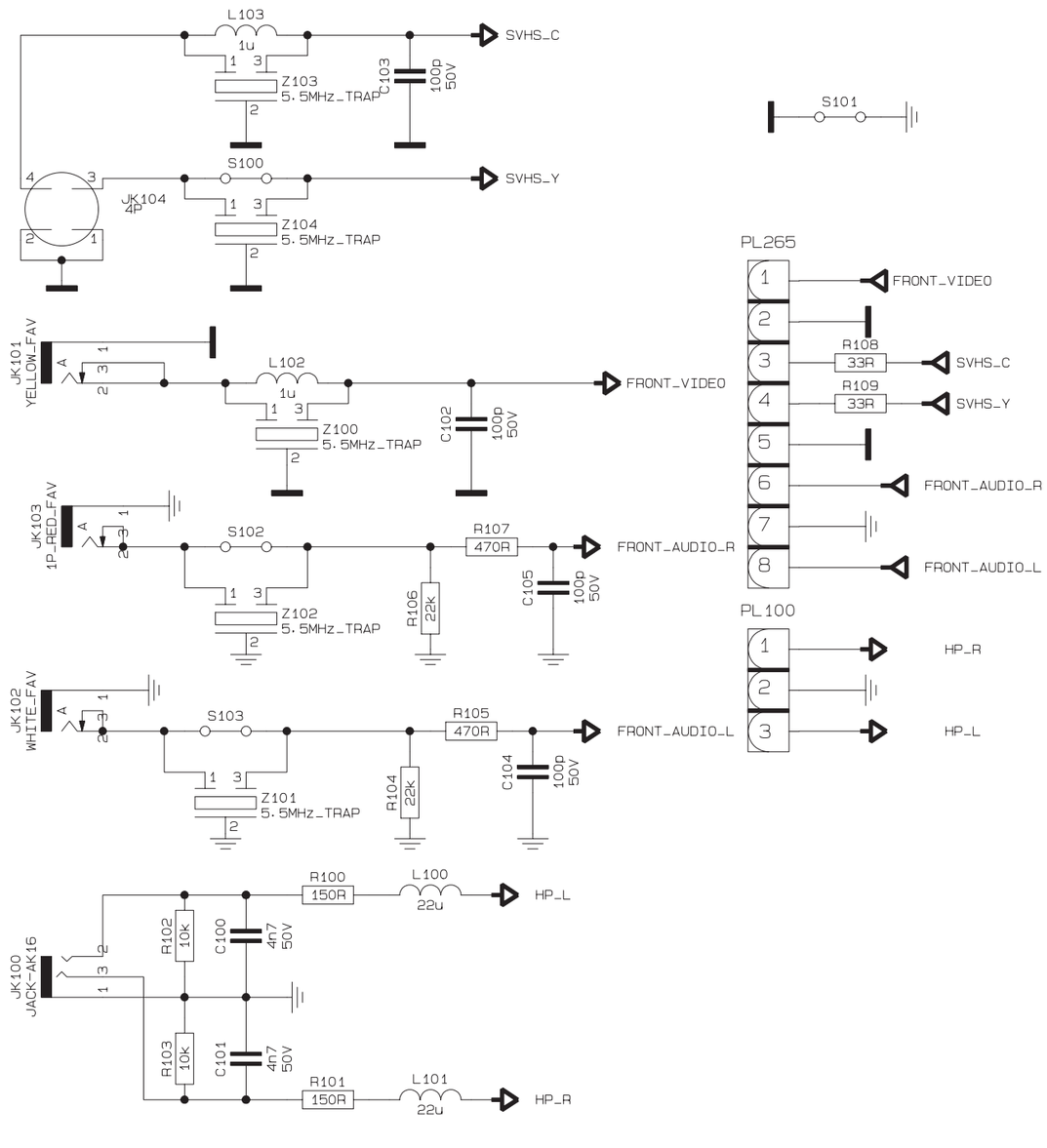


CONTROL PW
VE-20148281

AMPLIFIER PWB CIRCUIT DIAGRAM



AV JACK PWB CIRCUIT DIAGRAM

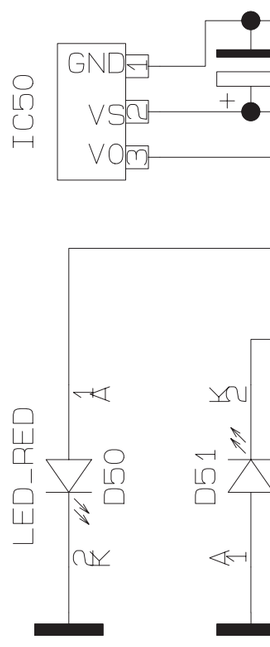


AV JACK PWB ASS'Y

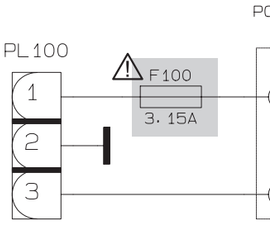
VE-20185947 [LT-30E45SJ,LT-30E45SU, LT-30E45SU/Z]

VE-20148274 [LT-30E45SU/N]

LED PWB CIRCUIT DIAGRAM



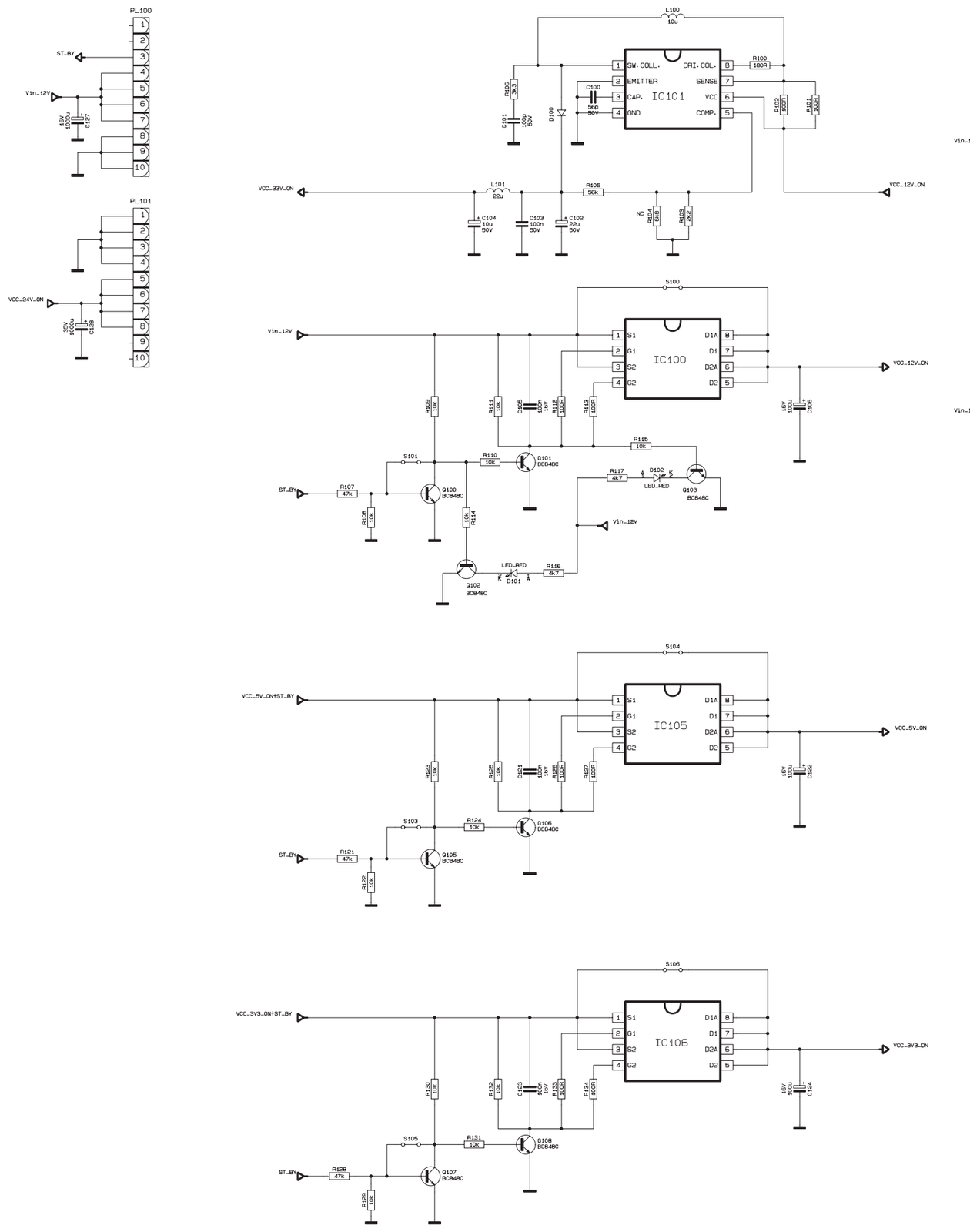
NOISE FILTER PWB CIRCUIT DI



NO

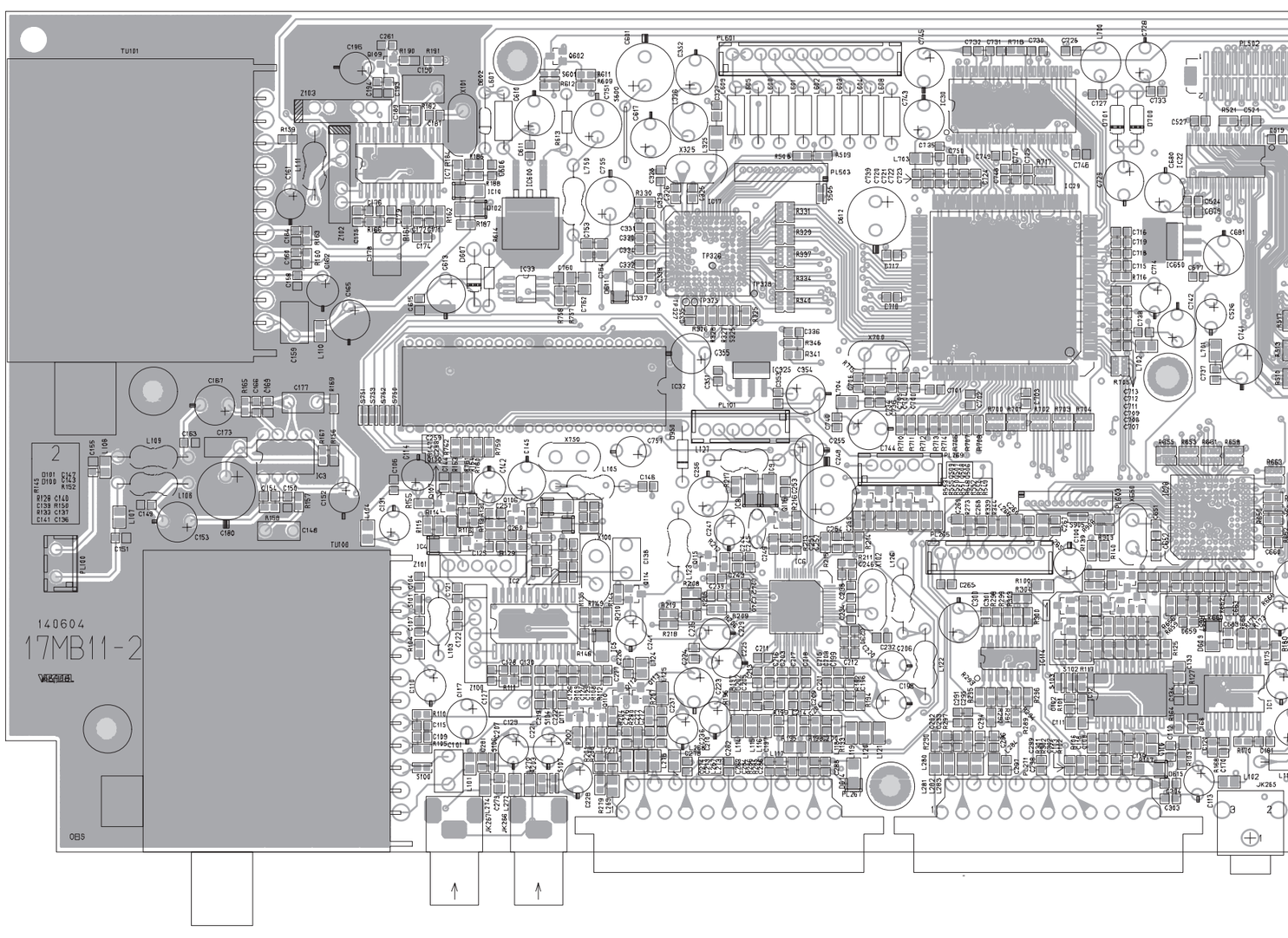
VE-

REGULATOR PWB CIRCUIT DIAGRAM



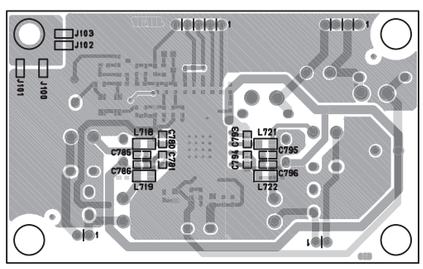
PATTERN DIAGRAMS

MAIN PWB PATTERN

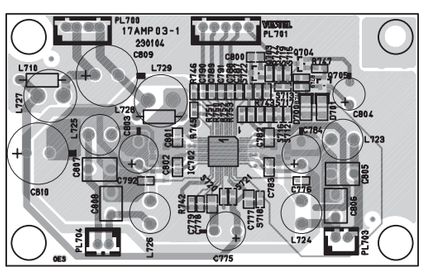


AMPLIFIER PWB PATTERN
[SOLDER SIDE]

TOP



AMPLIFIER PWB PATTERN
[PARTS SIDE]

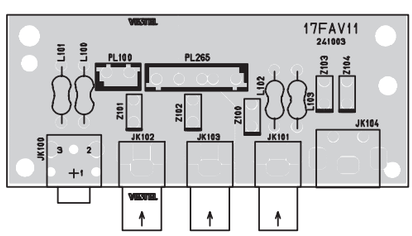


TOP

NOISE FILTER PWB PATTERN

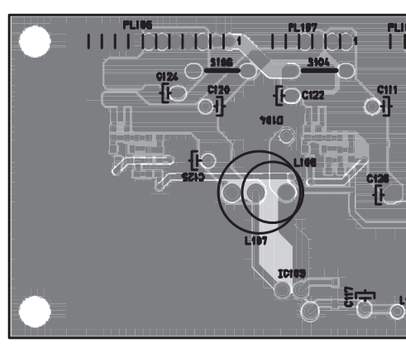
TOP

AV JACK PWB PATTERN



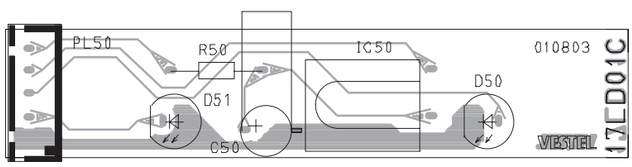
TOP

REGULATOR PWB PATTERN [SOLDER



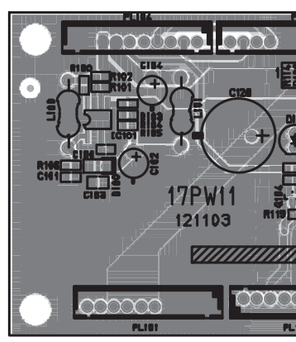
LED PWB PATTERN

TOP



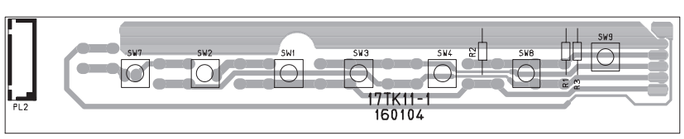
REGULATOR PWB PATTERN [PARTS S

TOP



CONTROL PWB PATTERN

TOP



PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT 3-2
EXPLODED VIEW PARTS LIST 3-2
PRINTED WIRING BOARD PARTS LIST [LT-30E45SJ, LT-30E45SU, LT-30E45SU/Z] 3-4
PRINTED WIRING BOARD PARTS LIST [LT-30E45SU/N] 3-11
PACKING PARTS LIST 3-18

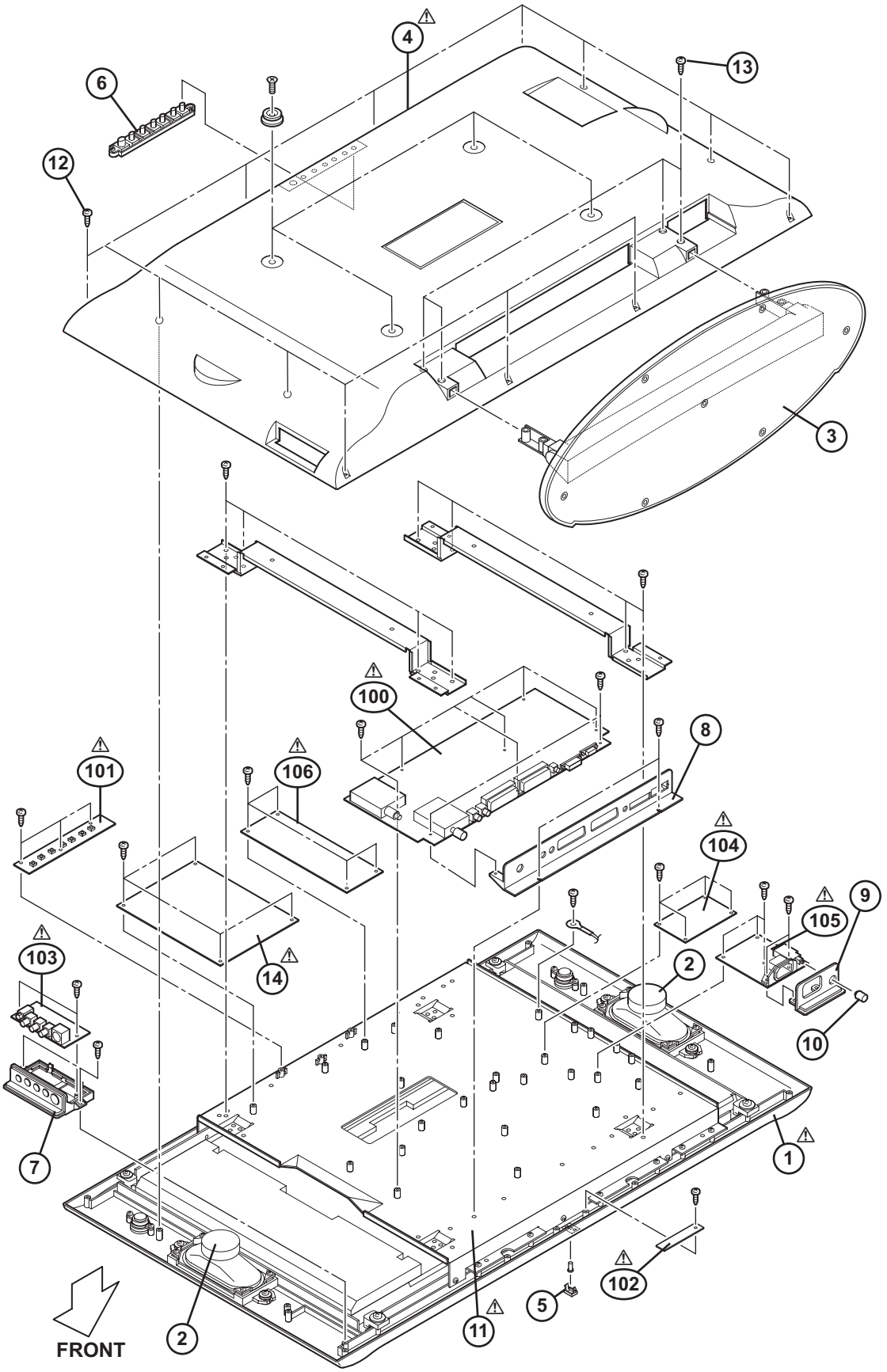
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	LT-30E45SJ	LT-30E45SU	LT-30E45SU/N	LT-30E45SU/Z
CONTROL PWB	VE-20148281	←	←	←
LED PWB	VE-20167056	←	←	←
AV JACK PWB	VE-20185947	←	VE-20148274	VE-20185947
REGURATOR PWB	VE-20151250	←	←	←
NOISE FILTER PWB	VE-20154613	←	←	←
MAIN PWB	VE-20185787	←	←	←
AMPLIFIER PWB	VE-20154273	←	←	←
REMOTE CONTROL UNIT	VE-30034032	←	←	←

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	VE-20180481	FRONT COVER		
	2	VE-30027426	SPEAKER	8R 15W F/R 57x126MM W/O M.SHIELD(x2)	
	3	VE-35009244	FOOT BOTTOM PLATE LCD 3007/08		
⚠	4	VE-20185740	REAR COVER	3007/08(WO/CI)(SILV-142G/P)V.0	
	5	VE-40021473	JVC MARK	JVC(W/P-SILVER-HST)(11.90mm)GRY1434	
	6	VE-20185783	BUTTON FUNCTION		
	7	VE-20185785	AV JACK BRACKET		
	8	VE-20181362	AV BRACKET		
	9	VE-20181842	POWER LED BRACKET		
	10	VE-20185784	KNOB		
⚠	11	VE-30026832	LCD PANEL UNIT	Inc. INVERTER UNIT	
	12	VE-35004572	SCREW M4 x 18.5	(x12)	
	13	VE-35003339	SCREW M4 x12	(x4)	
⚠	14	VE-30028289	POWER UNIT		
⚠	100	VE-20185787	MAIN PWB		
⚠	101	VE-20148281	CONTROL PWB		
⚠	102	VE-20167056	LED PWB		
⚠	103	VE-20148274	AV JACK PWB		LT-30E45SU/N
⚠	103	VE-20185947	AV JACK PWB		LT-30E45SJ,LT-30E45SU,LT-30E45SU/Z
⚠	104	VE-20154273	AMPLIFIER PWB		
⚠	105	VE-20154613	NOISE FILTER PWB		
⚠	106	VE-20151250	REGURATOR PWB		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST
[LT-30E45SJ, LT-30E45SU, LT-30E45SU/Z]

⚠Ref No.	Part No.	Part Name	Description	Local
IC1	VE-30021628	IC		
IC1	VE-30021628	IC		
IC2	VE-30021083	TDA9886T/SO24/REEL13//V4		
IC3	VE-30001518	IC		
IC4	VE-30012411	DIODE SMD		
IC5	VE-30001285	DIODE SMD		
IC6	VE-30018263	IC		
IC7	VE-30021083	TDA9886T/SO24/REEL13//V4		
IC8	VE-30007761	DIODE SMD		
IC9	VE-30001285	DIODE SMD		
IC10	VE-30001285	DIODE SMD		
IC12	VE-30013686	IC		
IC17	VE-30021626	IC		
IC18	VE-30016822	IC		
IC19	VE-30020632	IC		
IC21	VE-30028202	IC		
IC22	VE-30017847	IC		
IC23	VE-30014162	IC		
IC24	VE-20185790	IC(MICOM)	(SERVICE)	
IC24	VE-30001468	IC		
IC25	VE-30019957	IC		
IC27	VE-30020052	IC		
IC28	VE-30021626	IC		
IC29	VE-30030108	IC		
IC30	VE-30014088	IC		
IC32	VE-30021943	IC		
IC33	VE-20185355	IC(MEMORY)	(SERVICE)	
IC50	VE-30001670	PREAMPLIFIER TFMS5360		
IC100	VE-30014344	TRANSISTOR		
IC101	VE-30018326	IC		
IC102	VE-30023370	IC		
IC103	VE-30023369	IC		
IC105	VE-30018029	TRANSISTOR		
IC106	VE-30018029	TRANSISTOR		
IC112	VE-30018358	IC		
IC113	VE-30018006	IC		
IC114	VE-30019372	IC		
IC119	VE-30001665	IC		
IC325	VE-30017956	IC		
IC375	VE-30017956	IC		
IC600	VE-30007739	IC		
IC650	VE-30017956	IC		
IC702	VE-30027663	IC		
Q100	VE-30001457	TRANSISTOR SMD		
Q101	VE-30001457	TRANSISTOR SMD		
Q101	VE-30007798	TRANSISTOR SMD		
Q102	VE-30001457	TRANSISTOR SMD		
Q102	VE-30007798	TRANSISTOR SMD		
Q103	VE-30001457	TRANSISTOR SMD		
Q103	VE-30007798	TRANSISTOR SMD		
Q104	VE-30001457	TRANSISTOR SMD		
Q104	VE-30001457	TRANSISTOR SMD		
Q106	VE-30001457	TRANSISTOR SMD		
Q106	VE-30007798	TRANSISTOR SMD		
Q107	VE-30001457	TRANSISTOR SMD		
Q108	VE-30001457	TRANSISTOR SMD		
Q108	VE-30007798	TRANSISTOR SMD		
Q109	VE-30001457	TRANSISTOR SMD		
Q110	VE-30001457	TRANSISTOR SMD		
Q111	VE-30001457	TRANSISTOR SMD		
Q112	VE-30001457	TRANSISTOR SMD		
Q113	VE-30001457	TRANSISTOR SMD		
Q114	VE-30001457	TRANSISTOR SMD		
Q115	VE-30001457	TRANSISTOR SMD		
Q116	VE-30001458	TRANSISTOR SMD		
Q500	VE-30001457	TRANSISTOR SMD		
Q501	VE-30001457	TRANSISTOR SMD		
Q502	VE-30001457	TRANSISTOR SMD		
Q503	VE-30001457	TRANSISTOR SMD		
Q504	VE-30001458	TRANSISTOR SMD		
Q505	VE-30001457	TRANSISTOR SMD		
Q506	VE-30001457	TRANSISTOR SMD		
Q507	VE-30001457	TRANSISTOR SMD		
Q508	VE-30001457	TRANSISTOR SMD		
Q509	VE-30001457	TRANSISTOR SMD		
Q600	VE-30001457	TRANSISTOR SMD		
Q601	VE-30001458	TRANSISTOR SMD		
Q602	VE-30001457	TRANSISTOR SMD		
Q703	VE-30001457	TRANSISTOR SMD		
Q704	VE-30001457	TRANSISTOR SMD		
Q705	VE-30001458	TRANSISTOR SMD		
Q750	VE-30001458	TRANSISTOR SMD		
Q751	VE-30001458	TRANSISTOR SMD		
D50	VE-30001279	LED	RED/GREEN	
D51	VE-30001279	LED	RED/GREEN	
D100	VE-30001285	DIODE SMD		
D101	VE-30011601	LED	GREEN	
D102	VE-30010152	LED	RED	
D103	VE-30001313	DIODE		
D103	VE-30012411	DIODE SMD		
D104	VE-30001313	DIODE		
D1XX	VE-30007763	DIODE SMD		
D1XX	VE-30007763	DIODE SMD		
D265	VE-30001285	DIODE SMD		
D266	VE-30001285	DIODE SMD		
D267	VE-30001285	DIODE SMD		
D268	VE-30001285	DIODE SMD		
D269	VE-30001285	DIODE SMD		
D270	VE-30001285	DIODE SMD		
D271	VE-30001285	DIODE SMD		
D272	VE-30001285	DIODE SMD		
D273	VE-30001285	DIODE SMD		
D274	VE-30001285	DIODE SMD		
D275	VE-30007763	DIODE SMD		
D276	VE-30007763	DIODE SMD		
D277	VE-30001285	DIODE SMD		
D278	VE-30001285	DIODE SMD		
D279	VE-30001285	DIODE SMD		
D280	VE-30001285	DIODE SMD		
D2XX	VE-30007763	DIODE SMD		
D2XX	VE-30009699	DIODE SMD		
D3XX	VE-30009699	DIODE SMD		
D600	VE-30001329	DIODE		
D602	VE-30001284	DIODE		
D603	VE-30001285	DIODE SMD		
D604	VE-30001285	DIODE SMD		
D605	VE-30001285	DIODE SMD		
D606	VE-30001285	DIODE SMD		
D614	VE-30007763	DIODE SMD		
D615	VE-30007763	DIODE SMD		
D700	VE-30001285	DIODE SMD		
D700	VE-30001329	DIODE		
D701	VE-30001285	DIODE SMD		
D701	VE-30001329	DIODE		
D710	VE-30003720	DIODE SMD		
D711	VE-30003720	DIODE SMD		
D950	VE-30001367	DIODE		
C50	VE-30000413	E CAPACITOR	4.7uF 50V M	
C100	VE-30000345	E CAPACITOR	10uF 50V M	
C100	VE-30012576	CAPACITOR SMD	56pF 50V J CH	
C100	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C101	VE-30012560	CAPACITOR SMD	100pF 50V J	
C101	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C102	VE-30000371	E CAPACITOR	22uF 50V M	
C102	VE-30012560	CAPACITOR SMD	100pF 50V J	
C102	VE-30012571	CAPACITOR SMD	39pF 50V J	
C103	VE-30000294	CAPACITOR SMD	100nF 50V K	
C103	VE-30012560	CAPACITOR SMD	100pF 50V J	
C103	VE-30012571	CAPACITOR SMD	39pF 50V J	
C104	VE-30000345	E CAPACITOR	10uF 50V M	
C104	VE-30012560	CAPACITOR SMD	100pF 50V J	
C104	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C105	VE-30012560	CAPACITOR SMD	100pF 50V J	
C105	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C105	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C106	VE-30000352	E CAPACITOR	100uF 16V M	
C106	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C107	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C107	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C108	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C108	VE-30000352	E CAPACITOR	100uF 16V M	
C109	VE-30012569	CAPACITOR SMD	33pF 50V J	
C109	VE-30012610	CAPACITOR SMD	10nF 50V J	
C110	VE-30000345	E CAPACITOR	10uF 50V M	
C110	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C111	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C111	VE-30000359	E CAPACITOR	1000uF 16V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C112	VE-30012571	CAPACITOR SMD	39pF 50V J	
C113	VE-30000371	E CAPACITOR	22uF 50V M	
C114	VE-30000345	E CAPACITOR	10uF 50V M	
C115	VE-30012569	CAPACITOR SMD	33pF 50V J	
C116	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C116	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C117	VE-30000352	E CAPACITOR	100uF 16V M	
C117	VE-30000400	E CAPACITOR	47uF 50V M	
C118	VE-30012573	CAPACITOR SMD	47pF 50V J	
C118	VE-30012610	CAPACITOR SMD	10nF 50V J	
C119	VE-30012573	CAPACITOR SMD	47pF 50V J	
C119	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C120	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C120	VE-30000359	E CAPACITOR	1000uF 16V M	
C121	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C121	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C122	VE-30000352	E CAPACITOR	100uF 16V M	
C123	VE-30012569	CAPACITOR SMD	33pF 50V J	
C123	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C124	VE-30000352	E CAPACITOR	100uF 16V M	
C124	VE-30012569	CAPACITOR SMD	33pF 50V J	
C125	VE-30000359	E CAPACITOR	1000uF 16V M	
C125	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C126	VE-30000359	E CAPACITOR	1000uF 16V M	
C126	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C127	VE-30000359	E CAPACITOR	1000uF 16V M	
C127	VE-30012582	CAPACITOR SMD	10nF 50V K R	
C128	VE-30007748	E CAPACITOR	1000uF 35V M	
C128	VE-30012572	CAPACITOR SMD	390pF 50V J	
C130	VE-30012610	CAPACITOR SMD	10nF 50V J	
C131	VE-30000345	E CAPACITOR	10uF 50V M	
C132	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C133	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C134	VE-30012571	CAPACITOR SMD	39pF 50V J	
C135	VE-30012571	CAPACITOR SMD	39pF 50V J	
C136	VE-30012566	CAPACITOR SMD	22pF 50V J	
C137	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C139	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C140	VE-30012583	CAPACITOR SMD	1.5nF 50V K	
C141	VE-30012582	CAPACITOR SMD	10nF 50V K R	
C142	VE-30000345	E CAPACITOR	10uF 50V M	
C144	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C145	VE-30000353	E CAPACITOR	100uF 25V M	
C146	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C147	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C148	VE-30000100	CAPACITOR MKT	330nF 63V J	
C149	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C150	VE-30012585	CAPACITOR SMD	2.2nF 50V K R	
C151	VE-30012585	CAPACITOR SMD	2.2nF 50V K R	
C152	VE-30000396	E CAPACITOR	47uF 16V M	
C153	VE-30000352	E CAPACITOR	100uF 16V M	
C154	VE-30012576	CAPACITOR SMD	56pF 50V J CH	
C155	VE-30012585	CAPACITOR SMD	2.2nF 50V K R	
C156	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C157	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C158	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C160	VE-30012569	CAPACITOR SMD	33pF 50V J	
C161	VE-30000345	E CAPACITOR	10uF 50V M	
C162	VE-30000345	E CAPACITOR	10uF 50V M	
C163	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C164	VE-30012569	CAPACITOR SMD	33pF 50V J	
C165	VE-30000400	E CAPACITOR	47uF 50V M	
C166	VE-30012576	CAPACITOR SMD	56pF 50V J CH	
C167	VE-30000352	E CAPACITOR	100uF 16V M	
C168	VE-30012571	CAPACITOR SMD	39pF 50V J	
C169	VE-30012585	CAPACITOR SMD	2.2nF 50V K R	
C170	VE-30012571	CAPACITOR SMD	39pF 50V J	
C171	VE-30012569	CAPACITOR SMD	33pF 50V J	
C172	VE-30012569	CAPACITOR SMD	33pF 50V J	
C173	VE-30000074	CAPACITOR MKT	100nF 63V J	
C174	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C175	VE-30012582	CAPACITOR SMD	10nF 50V K R	
C176	VE-30012572	CAPACITOR SMD	390pF 50V J	
C177	VE-30000100	CAPACITOR MKT	330nF 63V J	
C179	VE-30012610	CAPACITOR SMD	10nF 50V J	
C180	VE-30000407	E CAPACITOR	470uF 16V M	
C181	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C183	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C184	VE-30000352	E CAPACITOR	100uF 16V M	
C185	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C186	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C187	VE-30012566	CAPACITOR SMD	22pF 50V J	
C188	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C189	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C191	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C192	VE-30012583	CAPACITOR SMD	1.5nF 50V K	
C193	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C194	VE-30012582	CAPACITOR SMD	10nF 50V K R	
C195	VE-30000345	E CAPACITOR	10uF 50V M	
C196	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C197	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C198	VE-30000345	E CAPACITOR	10uF 50V M	
C199	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C200	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C201	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C202	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C203	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C204	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C205	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C206	VE-30000345	E CAPACITOR	10uF 50V M	
C207	VE-30000371	E CAPACITOR	22uF 50V M	
C208	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C209	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C210	VE-30000393	E CAPACITOR	3.3uF 50V M	
C211	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C212	VE-30012583	CAPACITOR SMD	1.5nF 50V K	
C213	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C214	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C215	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C216	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C217	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C218	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C219	VE-30016126	CAPACITOR SMD	220nF 16V K R	
C220	VE-30012577	CAPACITOR SMD	560pF 50V J	
C221	VE-30000371	E CAPACITOR	22uF 50V M	
C222	VE-30012574	CAPACITOR SMD	470pF 50V J	
C223	VE-30000352	E CAPACITOR	100uF 16V M	
C224	VE-30012583	CAPACITOR SMD	1.5nF 50V K	
C225	VE-30000345	E CAPACITOR	10uF 50V M	
C226	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C227	VE-30012576	CAPACITOR SMD	56pF 50V J CH	
C229	VE-30000345	E CAPACITOR	10uF 50V M	
C230	VE-30012576	CAPACITOR SMD	56pF 50V J CH	
C232	VE-30012576	CAPACITOR SMD	56pF 50V J CH	
C234	VE-30012565	CAPACITOR SMD	1.8pF 50V J CH	
C235	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C236	VE-30000371	E CAPACITOR	22uF 50V M	
C237	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C238	VE-30012565	CAPACITOR SMD	1.8pF 50V J CH	
C239	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C240	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C241	VE-30000371	E CAPACITOR	22uF 50V M	
C242	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C243	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C244	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C245	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C246	VE-30012560	CAPACITOR SMD	100pF 50V J	
C247	VE-30000371	E CAPACITOR	22uF 50V M	
C248	VE-30000407	E CAPACITOR	470uF 16V M	
C249	VE-30009208	C CAPACITOR	470pF 1KV K	
C250	VE-30012571	CAPACITOR SMD	39pF 50V J	
C251	VE-30012574	CAPACITOR SMD	470pF 50V J	
C252	VE-30012568	CAPACITOR SMD	270pF 50V J	
C253	VE-30012583	CAPACITOR SMD	1.5nF 50V K	
C254	VE-30012571	CAPACITOR SMD	39pF 50V J	
C255	VE-30000345	E CAPACITOR	10uF 50V M	
C256	VE-30000352	E CAPACITOR	100uF 16V M	
C257	VE-30012560	CAPACITOR SMD	100pF 50V J	
C258	VE-30012560	CAPACITOR SMD	100pF 50V J	
C259	VE-30012608	CAPACITOR SMD	27pF 50V J CH	
C260	VE-30012608	CAPACITOR SMD	27pF 50V J CH	
C261	VE-30012608	CAPACITOR SMD	27pF 50V J CH	
C265	VE-30012607	CAPACITOR SMD	150pF 50V J	
C266	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C267	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C270	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C271	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C272	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C273	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C274	VE-30012607	CAPACITOR SMD	150pF 50V J	
C275	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C276	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C277	VE-30012607	CAPACITOR SMD	150pF 50V J	
C278	VE-30012607	CAPACITOR SMD	150pF 50V J	
C279	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C280	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C281	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C282	VE-30012607	CAPACITOR SMD	150pF 50V J	
C283	VE-30012607	CAPACITOR SMD	150pF 50V J	
C284	VE-30012607	CAPACITOR SMD	150pF 50V J	
C286	VE-30012607	CAPACITOR SMD	150pF 50V J	
C288	VE-30012607	CAPACITOR SMD	150pF 50V J	
C291	VE-30012607	CAPACITOR SMD	150pF 50V J	
C292	VE-30012581	CAPACITOR SMD	1nF 50V K R	

⚠Ref No.	Part No.	Part Name	Description Local
C293	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C294	VE-30012581	CAPACITOR SMD	1nF 50V K R
C295	VE-30012607	CAPACITOR SMD	150pF 50V J
C296	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C297	VE-30012607	CAPACITOR SMD	150pF 50V J
C298	VE-30012607	CAPACITOR SMD	150pF 50V J
C299	VE-30012607	CAPACITOR SMD	150pF 50V J
C300	VE-30000400	E CAPACITOR	47uF 50V M
C301	VE-30016654	CAPACITOR SMD	100nF 16V K R
C302	VE-30012607	CAPACITOR SMD	150pF 50V J
C303	VE-30012607	CAPACITOR SMD	150pF 50V J
C304	VE-30012607	CAPACITOR SMD	150pF 50V J
C325	VE-30012571	CAPACITOR SMD	39pF 50V J
C326	VE-30012571	CAPACITOR SMD	39pF 50V J
C327	VE-30012602	CAPACITOR SMD	10nF 25V K R
C328	VE-30012590	CAPACITOR SMD	47nF 50V K
C329	VE-30012590	CAPACITOR SMD	47nF 50V K
C330	VE-30012590	CAPACITOR SMD	47nF 50V K
C331	VE-30012590	CAPACITOR SMD	47nF 50V K
C332	VE-30012590	CAPACITOR SMD	47nF 50V K
C333	VE-30012590	CAPACITOR SMD	47nF 50V K
C334	VE-30012590	CAPACITOR SMD	47nF 50V K
C335	VE-30012590	CAPACITOR SMD	47nF 50V K
C336	VE-30012606	CAPACITOR SMD	47nF 25V K R
C337	VE-30012590	CAPACITOR SMD	47nF 50V K
C338	VE-30012590	CAPACITOR SMD	47nF 50V K
C339	VE-30000294	CAPACITOR SMD	100nF 50V K
C340	VE-30000294	CAPACITOR SMD	100nF 50V K
C341	VE-30000294	CAPACITOR SMD	100nF 50V K
C342	VE-30000294	CAPACITOR SMD	100nF 50V K
C343	VE-30000294	CAPACITOR SMD	100nF 50V K
C344	VE-30000294	CAPACITOR SMD	100nF 50V K
C345	VE-30000294	CAPACITOR SMD	100nF 50V K
C346	VE-30000294	CAPACITOR SMD	100nF 50V K
C347	VE-30000294	CAPACITOR SMD	100nF 50V K
C348	VE-30000294	CAPACITOR SMD	100nF 50V K
C349	VE-30000294	CAPACITOR SMD	100nF 50V K
C350	VE-30000294	CAPACITOR SMD	100nF 50V K
C351	VE-30016654	CAPACITOR SMD	100nF 16V K R
C352	VE-30000353	E CAPACITOR	100uF 25V M
C353	VE-30016654	CAPACITOR SMD	100nF 16V K R
C354	VE-30000352	E CAPACITOR	100uF 16V M
C355	VE-30000352	E CAPACITOR	100uF 16V M
C375	VE-30010571	E CAPACITOR	10uF 16V M
C376	VE-30012603	CAPACITOR SMD	100nF 25V K R
C377	VE-30012603	CAPACITOR SMD	100nF 25V K R
C378	VE-30012603	CAPACITOR SMD	100nF 25V K R
C379	VE-30012603	CAPACITOR SMD	100nF 25V K R
C380	VE-30000371	E CAPACITOR	22uF 50V M
C381	VE-30012603	CAPACITOR SMD	100nF 25V K R
C382	VE-30012603	CAPACITOR SMD	100nF 25V K R
C383	VE-30012590	CAPACITOR SMD	47nF 50V K
C384	VE-30012603	CAPACITOR SMD	100nF 25V K R
C385	VE-30012603	CAPACITOR SMD	100nF 25V K R
C386	VE-30012603	CAPACITOR SMD	100nF 25V K R
C387	VE-30012581	CAPACITOR SMD	1nF 50V K R
C388	VE-30012590	CAPACITOR SMD	47nF 50V K
C389	VE-30012603	CAPACITOR SMD	100nF 25V K R
C390	VE-30012603	CAPACITOR SMD	100nF 25V K R
C391	VE-30012590	CAPACITOR SMD	47nF 50V K
C392	VE-30012603	CAPACITOR SMD	100nF 25V K R
C393	VE-30012603	CAPACITOR SMD	100nF 25V K R
C394	VE-30012603	CAPACITOR SMD	100nF 25V K R
C395	VE-30012603	CAPACITOR SMD	100nF 25V K R
C396	VE-30012603	CAPACITOR SMD	100nF 25V K R
C397	VE-30012603	CAPACITOR SMD	100nF 25V K R
C398	VE-30012603	CAPACITOR SMD	100nF 25V K R
C399	VE-30000353	E CAPACITOR	100uF 25V M
C400	VE-30000353	E CAPACITOR	100uF 25V M
C401	VE-30012587	CAPACITOR SMD	3.3nF 50V K
C402	VE-30012588	CAPACITOR SMD	33nF 50V K
C403	VE-30016654	CAPACITOR SMD	100nF 16V K R
C404	VE-30000352	E CAPACITOR	100uF 16V M
C405	VE-30000352	E CAPACITOR	100uF 16V M
C406	VE-30016654	CAPACITOR SMD	100nF 16V K R
C450	VE-30000345	E CAPACITOR	10uF 50V M
C451	VE-30012570	CAPACITOR SMD	330pF 50V J
C452	VE-30000345	E CAPACITOR	10uF 50V M
C453	VE-30012570	CAPACITOR SMD	330pF 50V J
C454	VE-30012570	CAPACITOR SMD	330pF 50V J
C455	VE-30012560	CAPACITOR SMD	100pF 50V J
C456	VE-30012560	CAPACITOR SMD	100pF 50V J
C457	VE-30012570	CAPACITOR SMD	330pF 50V J
C458	VE-30012570	CAPACITOR SMD	330pF 50V J
C459	VE-30012570	CAPACITOR SMD	330pF 50V J
C460	VE-30012560	CAPACITOR SMD	100pF 50V J
C461	VE-30012560	CAPACITOR SMD	100pF 50V J

⚠Ref No.	Part No.	Part Name	Description Local
C462	VE-30012570	CAPACITOR SMD	330pF 50V J
C463	VE-30000345	E CAPACITOR	10uF 50V M
C464	VE-30012560	CAPACITOR SMD	100pF 50V J
C465	VE-30012570	CAPACITOR SMD	330pF 50V J
C466	VE-30012570	CAPACITOR SMD	330pF 50V J
C467	VE-30012570	CAPACITOR SMD	330pF 50V J
C468	VE-30012570	CAPACITOR SMD	330pF 50V J
C469	VE-30012603	CAPACITOR SMD	100nF 25V K R
C500	VE-30012603	CAPACITOR SMD	100nF 25V K R
C501	VE-30012603	CAPACITOR SMD	100nF 25V K R
C502	VE-30012603	CAPACITOR SMD	100nF 25V K R
C503	VE-30012603	CAPACITOR SMD	100nF 25V K R
C504	VE-30012603	CAPACITOR SMD	100nF 25V K R
C505	VE-30012603	CAPACITOR SMD	100nF 25V K R
C506	VE-30012603	CAPACITOR SMD	100nF 25V K R
C507	VE-30012603	CAPACITOR SMD	100nF 25V K R
C508	VE-30012603	CAPACITOR SMD	100nF 25V K R
C509	VE-30012603	CAPACITOR SMD	100nF 25V K R
C510	VE-30012603	CAPACITOR SMD	100nF 25V K R
C511	VE-30012603	CAPACITOR SMD	100nF 25V K R
C512	VE-30012603	CAPACITOR SMD	100nF 25V K R
C513	VE-30012603	CAPACITOR SMD	100nF 25V K R
C514	VE-30012603	CAPACITOR SMD	100nF 25V K R
C515	VE-30012603	CAPACITOR SMD	100nF 25V K R
C516	VE-30000371	E CAPACITOR	22uF 50V M
C517	VE-30012603	CAPACITOR SMD	100nF 25V K R
C518	VE-30012610	CAPACITOR SMD	10nF 50V J
C519	VE-30016654	CAPACITOR SMD	100nF 16V K R
C520	VE-30012564	CAPACITOR SMD	18pF 50V J
C521	VE-30016654	CAPACITOR SMD	100nF 16V K R
C522	VE-30012564	CAPACITOR SMD	18pF 50V J
C523	VE-30000362	E CAPACITOR	1uF 50V M
C524	VE-30016654	CAPACITOR SMD	100nF 16V K R
C525	VE-30000362	E CAPACITOR	1uF 50V M
C526	VE-30000345	E CAPACITOR	10uF 50V M
C527	VE-30016654	CAPACITOR SMD	100nF 16V K R
C528	VE-30012603	CAPACITOR SMD	100nF 25V K R
C529	VE-30000371	E CAPACITOR	22uF 50V M
C530	VE-30000371	E CAPACITOR	22uF 50V M
C531	VE-30000345	E CAPACITOR	10uF 50V M
C532	VE-30000345	E CAPACITOR	10uF 50V M
C533	VE-30012603	CAPACITOR SMD	100nF 25V K R
C534	VE-30012603	CAPACITOR SMD	100nF 25V K R
C535	VE-30012603	CAPACITOR SMD	100nF 25V K R
C536	VE-30012603	CAPACITOR SMD	100nF 25V K R
C537	VE-30016654	CAPACITOR SMD	100nF 16V K R
C539	VE-30012577	CAPACITOR SMD	560pF 50V J
C540	VE-30000352	E CAPACITOR	100uF 16V M
C541	VE-30012603	CAPACITOR SMD	100nF 25V K R
C542	VE-30012603	CAPACITOR SMD	100nF 25V K R
C600	VE-30000359	E CAPACITOR	1000uF 16V M
C601	VE-30000359	E CAPACITOR	1000uF 16V M
C602	VE-30012609	CAPACITOR SMD	68nF 50V K
C603	VE-30000353	E CAPACITOR	100uF 25V M
C604	VE-30016654	CAPACITOR SMD	100nF 16V K R
C606	VE-30012603	CAPACITOR SMD	100nF 25V K R
C607	VE-30000362	E CAPACITOR	1uF 50V M
C608	VE-30012603	CAPACITOR SMD	100nF 25V K R
C609	VE-30012587	CAPACITOR SMD	3.3nF 50V K
C610	VE-30000400	E CAPACITOR	47uF 50V M
C611	VE-30012603	CAPACITOR SMD	100nF 25V K R
C612	VE-30000359	E CAPACITOR	1000uF 16V M
C613	VE-30000400	E CAPACITOR	47uF 50V M
C614	VE-30000316	C CAPACITOR	220nF 25V Z F
C615	VE-30012603	CAPACITOR SMD	100nF 25V K R
C616	VE-30000362	E CAPACITOR	1uF 50V M
C617	VE-30000352	E CAPACITOR	100uF 16V M
C618	VE-30000352	E CAPACITOR	100uF 16V M
C650	VE-30012602	CAPACITOR SMD	10nF 25V K R
C651	VE-30012571	CAPACITOR SMD	39pF 50V J
C652	VE-30012571	CAPACITOR SMD	39pF 50V J
C653	VE-30012590	CAPACITOR SMD	47nF 50V K
C654	VE-30012590	CAPACITOR SMD	47nF 50V K
C655	VE-30012590	CAPACITOR SMD	47nF 50V K
C656	VE-30012590	CAPACITOR SMD	47nF 50V K
C657	VE-30012590	CAPACITOR SMD	47nF 50V K
C658	VE-30012590	CAPACITOR SMD	47nF 50V K
C659	VE-30012606	CAPACITOR SMD	47nF 25V K R
C660	VE-30012590	CAPACITOR SMD	47nF 50V K
C661	VE-30012590	CAPACITOR SMD	47nF 50V K
C662	VE-30012590	CAPACITOR SMD	47nF 50V K
C663	VE-30012606	CAPACITOR SMD	47nF 25V K R
C664	VE-30000294	CAPACITOR SMD	100nF 50V K
C665	VE-30000294	CAPACITOR SMD	100nF 50V K
C666	VE-30000294	CAPACITOR SMD	100nF 50V K
C667	VE-30000294	CAPACITOR SMD	100nF 50V K
C668	VE-30000294	CAPACITOR SMD	100nF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C669	VE-30000294	CAPACITOR SMD	100nF 50V K
C670	VE-30000294	CAPACITOR SMD	100nF 50V K
C671	VE-30000294	CAPACITOR SMD	100nF 50V K
C672	VE-30000294	CAPACITOR SMD	100nF 50V K
C673	VE-30000294	CAPACITOR SMD	100nF 50V K
C674	VE-30000294	CAPACITOR SMD	100nF 50V K
C675	VE-30000294	CAPACITOR SMD	100nF 50V K
C676	VE-30000294	CAPACITOR SMD	100nF 50V K
C677	VE-30016654	CAPACITOR SMD	100nF 16V K R
C678	VE-30000353	E CAPACITOR	100uF 25V M
C679	VE-30016654	CAPACITOR SMD	100nF 16V K R
C680	VE-30000352	E CAPACITOR	100uF 16V M
C681	VE-30000352	E CAPACITOR	100uF 16V M
C700	VE-30012603	CAPACITOR SMD	100nF 25V K R
C701	VE-30012603	CAPACITOR SMD	100nF 25V K R
C702	VE-30012603	CAPACITOR SMD	100nF 25V K R
C703	VE-30012603	CAPACITOR SMD	100nF 25V K R
C704	VE-30012603	CAPACITOR SMD	100nF 25V K R
C705	VE-30012564	CAPACITOR SMD	18pF 50V J
C706	VE-30012564	CAPACITOR SMD	18pF 50V J
C707	VE-30012603	CAPACITOR SMD	100nF 25V K R
C708	VE-30012603	CAPACITOR SMD	100nF 25V K R
C709	VE-30012603	CAPACITOR SMD	100nF 25V K R
C710	VE-30012603	CAPACITOR SMD	100nF 25V K R
C711	VE-30012603	CAPACITOR SMD	100nF 25V K R
C712	VE-30012603	CAPACITOR SMD	100nF 25V K R
C713	VE-30012610	CAPACITOR SMD	10nF 50V J
C714	VE-30000345	E CAPACITOR	10uF 50V M
C715	VE-30012610	CAPACITOR SMD	10nF 50V J
C726	VE-30016654	CAPACITOR SMD	100nF 16V K R
C727	VE-30016654	CAPACITOR SMD	100nF 16V K R
C728	VE-30000353	E CAPACITOR	100uF 25V M
C729	VE-30000353	E CAPACITOR	100uF 25V M
C741	VE-30000353	E CAPACITOR	100uF 25V M
C742	VE-30000353	E CAPACITOR	100uF 25V M
C743	VE-30000353	E CAPACITOR	100uF 25V M
C744	VE-30000353	E CAPACITOR	100uF 25V M
C745	VE-30000353	E CAPACITOR	100uF 25V M
C751	VE-30000355	E CAPACITOR	100uF 50V M
C752	VE-30000237	CAPACITOR SMD	33pF 50V J
C753	VE-30000294	CAPACITOR SMD	100nF 50V K
C754	VE-30000294	CAPACITOR SMD	100nF 50V K
C755	VE-30000355	E CAPACITOR	100uF 50V M
C756	VE-30000294	CAPACITOR SMD	100nF 50V K
C757	VE-30000345	E CAPACITOR	10uF 50V M
C758	VE-30000209	CAPACITOR SMD	18pF 50V J
C759	VE-30000209	CAPACITOR SMD	18pF 50V J
C760	VE-30000294	CAPACITOR SMD	100nF 50V K
C761	VE-30000294	CAPACITOR SMD	100nF 50V K
C762	VE-30000294	CAPACITOR SMD	100nF 50V K
C763	VE-30000294	CAPACITOR SMD	100nF 50V K
C764	VE-30000294	CAPACITOR SMD	100nF 50V K
C765	VE-30000294	CAPACITOR SMD	100nF 50V K
C775	VE-30000376	E CAPACITOR	220uF 25V M
C776	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C777	VE-30000294	CAPACITOR SMD	100nF 50V K
C778	VE-30000294	CAPACITOR SMD	100nF 50V K
C779	VE-30012567	CAPACITOR SMD	220pF 50V J
C780	VE-30012610	CAPACITOR SMD	10nF 50V J
C781	VE-30012610	CAPACITOR SMD	10nF 50V J
C782	VE-30000294	CAPACITOR SMD	100nF 50V K
C783	VE-30000294	CAPACITOR SMD	100nF 50V K
C784	VE-30000376	E CAPACITOR	220uF 25V M
C785	VE-30012581	CAPACITOR SMD	1nF 50V K R
C786	VE-30012581	CAPACITOR SMD	1nF 50V K R
C787	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C788	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C789	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C790	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C791	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C792	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C793	VE-30012610	CAPACITOR SMD	10nF 50V J
C794	VE-30012610	CAPACITOR SMD	10nF 50V J
C795	VE-30012581	CAPACITOR SMD	1nF 50V K R
C796	VE-30012581	CAPACITOR SMD	1nF 50V K R
C800	VE-30000294	CAPACITOR SMD	100nF 50V K
C801	VE-30000294	CAPACITOR SMD	100nF 50V K
C802	VE-30000294	CAPACITOR SMD	100nF 50V K
C803	VE-30000376	E CAPACITOR	220uF 25V M
C804	VE-30000353	E CAPACITOR	100uF 25V M
C805	VE-30000109	CAPACITOR MKT	470nF 63V J
C806	VE-30000109	CAPACITOR MKT	470nF 63V J
C807	VE-30000109	CAPACITOR MKT	470nF 63V J
C808	VE-30000109	CAPACITOR MKT	470nF 63V J
C809	VE-30033474	E CAPACITOR	2200uF 16V M
C810	VE-30033474	E CAPACITOR	2200uF 16V M
C990	VE-30000237	CAPACITOR SMD	33pF 50V J

⚠Ref No.	Part No.	Part Name	Description Local
R1	VE-30000460	RESISTOR CF	1/4W 100R G
R2	VE-30000460	RESISTOR CF	1/4W 100R G
R50	VE-30000459	RESISTOR CF	1/4W 100R J
R100	VE-30012655	RESISTOR SMD	1/16W 180R J
R100	VE-30014022	RESISTOR SMD	1/16W 47R J
R100	VE-30014076	RESISTOR SMD	1/16W 4.7R J
⚠R100	VE-30018085	CAPACITOR VAR	SAFE 510V K
R101	VE-30012713	RESISTOR SMD	1/16W 75R J
R101	VE-30012986	RESISTOR SMD	1/16W 68R J
R101	VE-30014022	RESISTOR SMD	1/16W 47R J
R102	VE-30012641	RESISTOR SMD	1/16W 10K J
R102	VE-30012713	RESISTOR SMD	1/16W 75R J
R102	VE-30012986	RESISTOR SMD	1/16W 68R J
R103	VE-30012641	RESISTOR SMD	1/16W 10K J
R103	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R103	VE-30012713	RESISTOR SMD	1/16W 75R J
R104	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R104	VE-30012669	RESISTOR SMD	1/16W 22K J
R105	VE-30012510	RESISTOR SMD	1/16W 100R J
R105	VE-30012695	RESISTOR SMD	1/16W 470R J
R105	VE-30012703	RESISTOR SMD	1/16W 56K J
R106	VE-30012510	RESISTOR SMD	1/16W 100R J
R106	VE-30012669	RESISTOR SMD	1/16W 22K J
R106	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R107	VE-30012510	RESISTOR SMD	1/16W 100R J
R107	VE-30012695	RESISTOR SMD	1/16W 470R J
R108	VE-30012510	RESISTOR SMD	1/16W 100R J
R108	VE-30014022	RESISTOR SMD	1/16W 47R J
R109	VE-30012510	RESISTOR SMD	1/16W 100R J
R109	VE-30014022	RESISTOR SMD	1/16W 47R J
R110	VE-30012510	RESISTOR SMD	1/16W 100R J
R110	VE-30012641	RESISTOR SMD	1/16W 10K J
R111	VE-30012641	RESISTOR SMD	1/16W 10K J
R111	VE-30012698	RESISTOR SMD	1/16W 5.6K J
R112	VE-30012510	RESISTOR SMD	1/16W 100R J
R112	VE-30012510	RESISTOR SMD	1/16W 100R J
R113	VE-30012510	RESISTOR SMD	1/16W 100R J
R113	VE-30012685	RESISTOR SMD	1/16W 33K J
R114	VE-30012641	RESISTOR SMD	1/16W 10K J
R114	VE-30012705	RESISTOR SMD	1/16W 6.8K J
R115	VE-30012651	RESISTOR SMD	1/16W 160K J
R115	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R116	VE-30000721	RESISTOR SMD	1/10W 4.7K J
R116	VE-30012657	RESISTOR SMD	1/16W 1K J
R117	VE-30000721	RESISTOR SMD	1/10W 4.7K J
R117	VE-30012641	RESISTOR SMD	1/16W 10K J
R118	VE-30012641	RESISTOR SMD	1/16W 10K J
R118	VE-30013001	RESISTOR SMD	1/16W 1K F
R119	VE-30012641	RESISTOR SMD	1/16W 10K J
R119	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R120	VE-30012641	RESISTOR SMD	1/16W 10K J
R120	VE-30012641	RESISTOR SMD	1/16W 10K J
R121	VE-30012641	RESISTOR SMD	1/16W 10K J
R122	VE-30014420	RESISTOR SMD	1/16W 10K F
R123	VE-30012510	RESISTOR SMD	1/16W 100R J
R124	VE-30012510	RESISTOR SMD	1/16W 100R J
R124	VE-30012641	RESISTOR SMD	1/16W 10K J
R125	VE-30012641	RESISTOR SMD	1/16W 10K J
R125	VE-30014022	RESISTOR SMD	1/16W 47R J
R126	VE-30012510	RESISTOR SMD	1/16W 100R J
R127	VE-30012510	RESISTOR SMD	1/16W 100R J
R127	VE-30012713	RESISTOR SMD	1/16W 75R J
R128	VE-30012669	RESISTOR SMD	1/16W 22K J
R129	VE-30012705	RESISTOR SMD	1/16W 6.8K J
R130	VE-30012657	RESISTOR SMD	1/16W 1K J
R131	VE-30012510	RESISTOR SMD	1/16W 100R J
R131	VE-30012641	RESISTOR SMD	1/16W 10K J
R132	VE-30012641	RESISTOR SMD	1/16W 10K J
R132	VE-30012713	RESISTOR SMD	1/16W 75R J
R133	VE-30012510	RESISTOR SMD	1/16W 100R J
R133	VE-30012669	RESISTOR SMD	1/16W 22K J
R134	VE-30012510	RESISTOR SMD	1/16W 100R J
R135	VE-30012510	RESISTOR SMD	1/16W 100R J
R136	VE-30012713	RESISTOR SMD	1/16W 75R J
R137	VE-30012657	RESISTOR SMD	1/16W 1K J
R138	VE-30012713	RESISTOR SMD	1/16W 75R J
R139	VE-30012713	RESISTOR SMD	1/16W 75R J
R140	VE-30012657	RESISTOR SMD	1/16W 1K J
R142	VE-30012713	RESISTOR SMD	1/16W 75R J
R143	VE-30012657	RESISTOR SMD	1/16W 1K J
R144	VE-30012644	RESISTOR SMD	1/16W 12K J
R145	VE-30012668	RESISTOR SMD	1/16W 220R J
R146	VE-30012657	RESISTOR SMD	1/16W 1K J
R147	VE-30012657	RESISTOR SMD	1/16W 1K J
R148	VE-30012644	RESISTOR SMD	1/16W 12K J
R149	VE-30012703	RESISTOR SMD	1/16W 56K J
R150	VE-30012649	RESISTOR SMD	1/16W 150R J

⚠Ref No.	Part No.	Part Name	Description Local
R151	VE-30012641	RESISTOR SMD	1/16W 10K J
R152	VE-30012713	RESISTOR SMD	1/16W 75R J
R153	VE-30012657	RESISTOR SMD	1/16W 1K J
R154	VE-30012713	RESISTOR SMD	1/16W 75R J
R155	VE-30014022	RESISTOR SMD	1/16W 47R J
R156	VE-30012641	RESISTOR SMD	1/16W 10K J
R157	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R158	VE-30012651	RESISTOR SMD	1/16W 160K J
R159	VE-30012669	RESISTOR SMD	1/16W 22K J
R160	VE-30012713	RESISTOR SMD	1/16W 75R J
R161	VE-30012510	RESISTOR SMD	1/16W 100R J
R162	VE-30012510	RESISTOR SMD	1/16W 100R J
R163	VE-30012510	RESISTOR SMD	1/16W 100R J
R164	VE-30012510	RESISTOR SMD	1/16W 100R J
R165	VE-30012651	RESISTOR SMD	1/16W 160K J
R166	VE-30012698	RESISTOR SMD	1/16W 5.6K J
R167	VE-30012641	RESISTOR SMD	1/16W 10K J
R168	VE-30012510	RESISTOR SMD	1/16W 100R J
R169	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R170	VE-30012679	RESISTOR SMD	1/16W 3.9K J
R171	VE-30012679	RESISTOR SMD	1/16W 3.9K J
R172	VE-30013001	RESISTOR SMD	1/16W 1K F
R173	VE-30012650	RESISTOR SMD	1/16W 15K J
R174	VE-30012705	RESISTOR SMD	1/16W 6.8K J
R175	VE-30012679	RESISTOR SMD	1/16W 3.9K J
R176	VE-30012669	RESISTOR SMD	1/16W 22K J
R177	VE-30012705	RESISTOR SMD	1/16W 6.8K J
R178	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R179	VE-30012648	RESISTOR SMD	1/16W 150K J
R180	VE-30012650	RESISTOR SMD	1/16W 15K J
R181	VE-30012648	RESISTOR SMD	1/16W 150K J
R182	VE-30012657	RESISTOR SMD	1/16W 1K J
R184	VE-30012510	RESISTOR SMD	1/16W 100R J
R185	VE-30012669	RESISTOR SMD	1/16W 22K J
R186	VE-30012644	RESISTOR SMD	1/16W 12K J
R187	VE-30012644	RESISTOR SMD	1/16W 12K J
R188	VE-30012703	RESISTOR SMD	1/16W 56K J
R189	VE-30012649	RESISTOR SMD	1/16W 150R J
R190	VE-30012668	RESISTOR SMD	1/16W 220R J
R191	VE-30012713	RESISTOR SMD	1/16W 75R J
R192	VE-30012657	RESISTOR SMD	1/16W 1K J
R193	VE-30012657	RESISTOR SMD	1/16W 1K J
R194	VE-30012657	RESISTOR SMD	1/16W 1K J
R195	VE-30012657	RESISTOR SMD	1/16W 1K J
R196	VE-30012657	RESISTOR SMD	1/16W 1K J
R197	VE-30012657	RESISTOR SMD	1/16W 1K J
R198	VE-30012657	RESISTOR SMD	1/16W 1K J
R199	VE-30012657	RESISTOR SMD	1/16W 1K J
R200	VE-30013001	RESISTOR SMD	1/16W 1K F
R201	VE-30012510	RESISTOR SMD	1/16W 100R J
R202	VE-30013001	RESISTOR SMD	1/16W 1K F
R203	VE-30013001	RESISTOR SMD	1/16W 1K F
R204	VE-30012510	RESISTOR SMD	1/16W 100R J
R205	VE-30012510	RESISTOR SMD	1/16W 100R J
R206	VE-30012510	RESISTOR SMD	1/16W 100R J
R207	VE-30013001	RESISTOR SMD	1/16W 1K F
R208	VE-30012510	RESISTOR SMD	1/16W 100R J
R209	VE-30012510	RESISTOR SMD	1/16W 100R J
R210	VE-30012657	RESISTOR SMD	1/16W 1K J
R211	VE-30012510	RESISTOR SMD	1/16W 100R J
R212	VE-30012657	RESISTOR SMD	1/16W 1K J
R213	VE-30012657	RESISTOR SMD	1/16W 1K J
R214	VE-30012510	RESISTOR SMD	1/16W 100R J
R215	VE-30012510	RESISTOR SMD	1/16W 100R J
R216	VE-30012695	RESISTOR SMD	1/16W 470R J
R217	VE-30012695	RESISTOR SMD	1/16W 470R J
R218	VE-30012510	RESISTOR SMD	1/16W 100R J
R219	VE-30012510	RESISTOR SMD	1/16W 100R J
R265	VE-30012713	RESISTOR SMD	1/16W 75R J
R266	VE-30014078	RESISTOR SMD	1/16W 22R J
R267	VE-30012713	RESISTOR SMD	1/16W 75R J
R268	VE-30012713	RESISTOR SMD	1/16W 75R J
R274	VE-30014078	RESISTOR SMD	1/16W 22R J
R275	VE-30014078	RESISTOR SMD	1/16W 22R J
R276	VE-30014078	RESISTOR SMD	1/16W 22R J
R277	VE-30012675	RESISTOR SMD	1/16W 2K J
R278	VE-30012675	RESISTOR SMD	1/16W 2K J
R279	VE-30012707	RESISTOR SMD	1/16W 680R J
R280	VE-30012707	RESISTOR SMD	1/16W 680R J
R281	VE-30012510	RESISTOR SMD	1/16W 100R J
R282	VE-30012510	RESISTOR SMD	1/16W 100R J
R283	VE-30012641	RESISTOR SMD	1/16W 10K J
R284	VE-30012641	RESISTOR SMD	1/16W 10K J
R285	VE-30012510	RESISTOR SMD	1/16W 100R J
R286	VE-30012713	RESISTOR SMD	1/16W 75R J
R289	VE-30012713	RESISTOR SMD	1/16W 75R J
R290	VE-30012707	RESISTOR SMD	1/16W 680R J

⚠Ref No.	Part No.	Part Name	Description Local
R291	VE-30012713	RESISTOR SMD	1/16W 75R J
R292	VE-30012713	RESISTOR SMD	1/16W 75R J
R295	VE-30012713	RESISTOR SMD	1/16W 75R J
R296	VE-30012713	RESISTOR SMD	1/16W 75R J
R297	VE-30012707	RESISTOR SMD	1/16W 680R J
R298	VE-30012713	RESISTOR SMD	1/16W 75R J
R299	VE-30013001	RESISTOR SMD	1/16W 1K F
R300	VE-30012713	RESISTOR SMD	1/16W 75R J
R301	VE-30012510	RESISTOR SMD	1/16W 100R J
R302	VE-30012713	RESISTOR SMD	1/16W 75R J
R304	VE-30012713	RESISTOR SMD	1/16W 75R J
R325	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R326	VE-30014022	RESISTOR SMD	1/16W 47R J
R327	VE-30012510	RESISTOR SMD	1/16W 100R J
R328	VE-30012510	RESISTOR SMD	1/16W 100R J
R329	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R330	VE-30012987	RESISTOR SMD	1/16W 56R J
R331	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R332	VE-30014078	RESISTOR SMD	1/16W 22R J
R333	VE-30012987	RESISTOR SMD	1/16W 56R J
R334	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R335	VE-30014078	RESISTOR SMD	1/16W 22R J
R336	VE-30012987	RESISTOR SMD	1/16W 56R J
R337	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R338	VE-30014078	RESISTOR SMD	1/16W 22R J
R339	VE-30014078	RESISTOR SMD	1/16W 22R J
R340	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R341	VE-30014078	RESISTOR SMD	1/16W 22R J
R342	VE-30014078	RESISTOR SMD	1/16W 22R J
R343	VE-30014078	RESISTOR SMD	1/16W 22R J
R344	VE-30012987	RESISTOR SMD	1/16W 56R J
R345	VE-30012987	RESISTOR SMD	1/16W 56R J
R346	VE-30012987	RESISTOR SMD	1/16W 56R J
R347	VE-30012987	RESISTOR SMD	1/16W 56R J
R375	VE-30018372	RESISTOR SARRAY	1/16W 22R J
R376	VE-30018372	RESISTOR SARRAY	1/16W 22R J
R377	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R378	VE-30018372	RESISTOR SARRAY	1/16W 22R J
R379	VE-30018372	RESISTOR SARRAY	1/16W 22R J
R380	VE-30018372	RESISTOR SARRAY	1/16W 22R J
R381	VE-30018372	RESISTOR SARRAY	1/16W 22R J
R382	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R457	VE-30014022	RESISTOR SMD	1/16W 47R J
R459	VE-30012688	RESISTOR SMD	1/16W 390R J
R465	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R466	VE-30012641	RESISTOR SMD	1/16W 10K J
R467	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R468	VE-30012641	RESISTOR SMD	1/16W 10K J
R469	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R470	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R471	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R472	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R500	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R501	VE-30012509	RESISTOR SMD	1/16W 100K J
R502	VE-30012641	RESISTOR SMD	1/16W 10K J
R503	VE-30012641	RESISTOR SMD	1/16W 10K J
R504	VE-30014420	RESISTOR SMD	1/16W 10K F
R505	VE-30014420	RESISTOR SMD	1/16W 10K F
R506	VE-30012641	RESISTOR SMD	1/16W 10K J
R507	VE-30012668	RESISTOR SMD	1/16W 220R J
R508	VE-30014420	RESISTOR SMD	1/16W 10K F
R509	VE-30014420	RESISTOR SMD	1/16W 10K F
R510	VE-30030692	FERRITE NET	120R/100MHz 150mA
R511	VE-30030692	FERRITE NET	120R/100MHz 150mA
R512	VE-30012658	RESISTOR SMD	1/16W 1M J
R513	VE-30030692	FERRITE NET	120R/100MHz 150mA
R514	VE-30030692	FERRITE NET	120R/100MHz 150mA
R515	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R516	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R517	VE-30030692	FERRITE NET	120R/100MHz 150mA
R518	VE-30014420	RESISTOR SMD	1/16W 10K F
R519	VE-30030692	FERRITE NET	120R/100MHz 150mA
R520	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R521	VE-30014128	RESISTOR SMD	1/16W 33R J
R522	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R523	VE-30012641	RESISTOR SMD	1/16W 10K J
R524	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R525	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R526	VE-30012668	RESISTOR SMD	1/16W 220R J
R527	VE-30012668	RESISTOR SMD	1/16W 220R J
R528	VE-30012641	RESISTOR SMD	1/16W 10K J
R529	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R530	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R531	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R532	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R533	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R534	VE-30013001	RESISTOR SMD	1/16W 1K F

⚠Ref No.	Part No.	Part Name	Description Local
R535	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R536	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R537	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R538	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R539	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R543	VE-30014420	RESISTOR SMD	1/16W 10K F
R544	VE-30014420	RESISTOR SMD	1/16W 10K F
R545	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R546	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R547	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R548	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R549	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R550	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R551	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R552	VE-30012641	RESISTOR SMD	1/16W 10K J
R553	VE-30012641	RESISTOR SMD	1/16W 10K J
R554	VE-30012510	RESISTOR SMD	1/16W 100R J
R555	VE-30012510	RESISTOR SMD	1/16W 100R J
R556	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R557	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R558	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R600	VE-30012683	RESISTOR SMD	1/16W 330K J
R601	VE-30012683	RESISTOR SMD	1/16W 330K J
R602	VE-30012663	RESISTOR SMD	1/16W 200K J
R603	VE-30012700	RESISTOR SMD	1/16W 51K J
R604	VE-30012641	RESISTOR SMD	1/16W 10K J
R605	VE-30012641	RESISTOR SMD	1/16W 10K J
R606	VE-30012641	RESISTOR SMD	1/16W 10K J
R607	VE-30012665	RESISTOR SMD	1/16W 20K J
R608	VE-30012641	RESISTOR SMD	1/16W 10K J
R609	VE-30013001	RESISTOR SMD	1/16W 1K F
R610	VE-30012641	RESISTOR SMD	1/16W 10K J
R611	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R612	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R613	VE-30000526	RESISTOR CF	1/4W 1.5K J
R614	VE-30000622	RESISTOR CF	1/4W 270R J
R615	VE-30000633	RESISTOR CF	1/4W 27K J
R616	VE-30000504	RESISTOR CF	1/4W 120K J
R617	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R620	VE-30012509	RESISTOR SMD	1/16W 100K J
R651	VE-30012510	RESISTOR SMD	1/16W 100R J
R652	VE-30012510	RESISTOR SMD	1/16W 100R J
R653	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R655	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R656	VE-30014078	RESISTOR SMD	1/16W 22R J
R658	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R659	VE-30014078	RESISTOR SMD	1/16W 22R J
R661	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R662	VE-30014078	RESISTOR SMD	1/16W 22R J
R663	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R664	VE-30014078	RESISTOR SMD	1/16W 22R J
R665	VE-30014078	RESISTOR SMD	1/16W 22R J
R666	VE-30012987	RESISTOR SMD	1/16W 56R J
R667	VE-30012987	RESISTOR SMD	1/16W 56R J
R700	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R701	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R702	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R703	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R704	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R705	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R706	VE-30014022	RESISTOR SMD	1/16W 47R J
R707	VE-30014022	RESISTOR SMD	1/16W 47R J
R708	VE-30014022	RESISTOR SMD	1/16W 47R J
R709	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R710	VE-30014420	RESISTOR SMD	1/16W 10K F
R711	VE-30014420	RESISTOR SMD	1/16W 10K F
R712	VE-30014420	RESISTOR SMD	1/16W 10K F
R713	VE-30014420	RESISTOR SMD	1/16W 10K F
R714	VE-30014420	RESISTOR SMD	1/16W 10K F
R715	VE-30012660	RESISTOR SMD	1/16W 2.2M J
R716	VE-30012673	RESISTOR SMD	1/16W 270R J
R717	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R718	VE-30012684	RESISTOR SMD	1/16W 330R J
R742	VE-30012642	RESISTOR SMD	1/16W 120K J
R743	VE-30012642	RESISTOR SMD	1/16W 120K J
R744	VE-30012696	RESISTOR SMD	1/16W 47K J
R745	VE-30012708	RESISTOR SMD	1/16W 68K J
R746	VE-30012685	RESISTOR SMD	1/16W 33K J
R747	VE-30012641	RESISTOR SMD	1/16W 10K J
R748	VE-30012641	RESISTOR SMD	1/16W 10K J
R749	VE-30012509	RESISTOR SMD	1/16W 100K J
R750	VE-30012510	RESISTOR SMD	1/16W 100R J
R750	VE-30012644	RESISTOR SMD	1/16W 12K J
R751	VE-30012510	RESISTOR SMD	1/16W 100R J
R751	VE-30012641	RESISTOR SMD	1/16W 10K J
R752	VE-30012696	RESISTOR SMD	1/16W 47K J
R753	VE-30012644	RESISTOR SMD	1/16W 12K J

⚠Ref No.	Part No.	Part Name	Description Local
R753	VE-30012696	RESISTOR SMD	1/16W 47K J
R754	VE-30012696	RESISTOR SMD	1/16W 47K J
R755	VE-30012510	RESISTOR SMD	1/16W 100R J
R756	VE-30012657	RESISTOR SMD	1/16W 1K J
R757	VE-30014420	RESISTOR SMD	1/16W 10K F
R758	VE-30014420	RESISTOR SMD	1/16W 10K F
R759	VE-30014022	RESISTOR SMD	1/16W 47R J
R760	VE-30014128	RESISTOR SMD	1/16W 33R J
R761	VE-30014128	RESISTOR SMD	1/16W 33R J
R762	VE-30014128	RESISTOR SMD	1/16W 33R J
R763	VE-30012671	RESISTOR SMD	1/16W 24K J
R908	VE-30014420	RESISTOR SMD	1/16W 10K F
R909	VE-30014420	RESISTOR SMD	1/16W 10K F
L100	VE-30001996	FIXED COIL	22uH Q40 K
L100	VE-30002002	FIXED COIL	47uH Q60 K
L101	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L101	VE-30001996	FIXED COIL	22uH Q40 K
L101	VE-30001996	FIXED COIL	22uH Q40 K
L102	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L102	VE-30001979	FIXED COIL	1uH Q45 M-A
L102	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L103	VE-30001979	FIXED COIL	1uH Q45 M-A
L103	VE-30001979	FIXED COIL	1uH Q45 M-A
L103	VE-30011450	FIXED COIL	22uH 5.4A
L104	VE-30018093	FIXED COIL SMD	3.3uH J Q30 185mA
L105	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L105	VE-30007771	FIXED COIL	100UH
L106	VE-30001996	FIXED COIL	22uH Q40 K
L106	VE-30011450	FIXED COIL	22uH 5.4A
L107	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L108	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L109	VE-30001996	FIXED COIL	22uH Q40 K
L110	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L111	VE-30001979	FIXED COIL	1uH Q45 M-A
L112	VE-30018093	FIXED COIL SMD	3.3uH J Q30 185mA
L113	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L114	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L115	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L116	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L117	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L118	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L119	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L120	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L121	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L122	VE-30001994	FIXED COIL	22uH J AXIAL
L123	VE-30001996	FIXED COIL	22uH Q40 K
L124	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L125	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L126	VE-30001994	FIXED COIL	22uH J AXIAL
L127	VE-30001996	FIXED COIL	22uH Q40 K
L265	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L266	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L267	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L268	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L269	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L270	VE-30001968	FERRITE SMD	200R/100MHz 200mA
L271	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L272	VE-30001968	FERRITE SMD	200R/100MHz 200mA
L273	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L274	VE-30001968	FERRITE SMD	200R/100MHz 200mA
L275	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L276	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L277	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L280	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L281	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L282	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L283	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L284	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L325	VE-30017542	FIXED COIL SMD	10uH J Q25 155mA
L326	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L375	VE-30001992	FIXED COIL	10uH Q65 K-A
L450	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L500	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L501	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L600	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L601	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L602	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L603	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L604	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L605	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L606	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L607	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L608	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L609	VE-30011450	FIXED COIL	22uH 5.4A
L610	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L650	VE-30017542	FIXED COIL SMD	10uH J Q25 155mA

⚠Ref No.	Part No.	Part Name	Description Local
L651	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L700	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L701	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L702	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L703	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L704	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L718	VE-30024779	FERRITE SMD	50R/100MHz 3A
L719	VE-30024779	FERRITE SMD	50R/100MHz 3A
L721	VE-30024779	FERRITE SMD	50R/100MHz 3A
L722	VE-30024779	FERRITE SMD	50R/100MHz 3A
L723	VE-30001999	FIXED COIL	40uH 4A RAD 8*10
L724	VE-30001999	FIXED COIL	40uH 4A RAD 8*10
L725	VE-30001999	FIXED COIL	40uH 4A RAD 8*10
L726	VE-30001999	FIXED COIL	40uH 4A RAD 8*10
L727	VE-30017624	DIODE	SCHOTTKY SB560 5A/60V DO-201AD
L729	VE-30011450	FIXED COIL	22uH 5.4A
L750	VE-30001996	FIXED COIL	22uH Q40 K
⚠F100	VE-20000849	FUSE	3.15A
JK100	VE-30001902	HEADPHONE JACK	STEREO WO/SW
JK101	VE-30001893	RCA JACK	1P YELLOW 28 FAV
JK102	VE-30001891	RCA JACK	1P WHITE 28 FAV
JK103	VE-30001892	RCA JACK	1P RED 28 FAV
JK104	VE-30001895	JACK	4P DIN TYPE FOR SVHS
JK265	VE-30001902	HEADPHONE JACK	STEREO WO/SW
JK266	VE-30001891	RCA JACK	1P WHITE 28 FAV
JK267	VE-30001892	RCA JACK	1P RED 28 FAV
SW1	VE-30002181	TACT SWITCH	
SW2	VE-30002181	TACT SWITCH	
SW3	VE-30002181	TACT SWITCH	
SW4	VE-30002181	TACT SWITCH	
SW7	VE-30002181	TACT SWITCH	
SW8	VE-30002181	TACT SWITCH	
SW9	VE-30002181	TACT SWITCH	
⚠TU100	VE-30020655	TUNER WSP (PLL)	38.9 TMK3-HORIZONTAL-PIP
⚠TU101	VE-30020654	TUNER WSP (PLL)	38.9 MK3 - HORIZONTAL
X100	VE-30002851	CLYSTAL	4.000 30p HC49U
X101	VE-30002851	CLYSTAL	4.000 30p HC49U
X102	VE-30001756	CLYSTAL	18.432 12p HC49U
X325	VE-30001741	CLYSTAL	24.576 20p HC49U
X500	VE-30017946	CLYSTAL	14.318 MHZ
X650	VE-30001741	CLYSTAL	24.576 20p HC49U
X700	VE-30001736	CLYSTAL	10.000 30p HC49U
X750	VE-30001737	CLYSTAL	12.000 20p HC49U
Z100	VE-30001692	SAW FILTER	OFWK3953M
Z101	VE-30012545	SAW FILTER	K9656M
Z102	VE-30001692	SAW FILTER	OFWK3953M
Z103	VE-30012545	SAW FILTER	K9656M

PRINTED WIRING BOARD PARTS LIST [LT-30E45SU/N]

⚠Ref No.	Part No.	Part Name	Description	Local
IC1	VE-30021628	IC		
IC2	VE-30021083	IC		
IC3	VE-30001518	IC		
IC4	VE-30012411	DIODE SMD		
IC5	VE-30001285	DIODE SMD		
IC6	VE-30018263	IC		
IC7	VE-30021083	IC		
IC8	VE-30007761	DIODE SMD		
IC9	VE-30001285	DIODE SMD		
IC10	VE-30001285	DIODE SMD		
IC12	VE-30013686	IC		
IC17	VE-30021626	IC		
IC18	VE-30016822	IC		
IC19	VE-30020632	IC		
IC21	VE-30028202	IC		
IC22	VE-30017847	IC		
IC23	VE-30014162	IC		
IC24	VE-20185790	IC(MICOM)	(SERVICE)	
IC24	VE-30001468	IC		
IC25	VE-30019957	IC		
IC27	VE-30020052	IC		
IC28	VE-30021626	IC		
IC29	VE-30030108	IC		
IC30	VE-30014088	IC		
IC32	VE-30021943	IC		
IC33	VE-20185355	IC(MICOM)	(SERVICE)	
IC50	VE-30001670	PREAMPLIFIER TFMS5360		
IC100	VE-30014344	TRANSISTOR		
IC101	VE-30018326	IC		
IC102	VE-30023370	IC		
IC103	VE-30023369	IC		
IC105	VE-30018029	TRANSISTOR		
IC106	VE-30018029	TRANSISTOR		
IC112	VE-30018358	IC		
IC113	VE-30018006	IC		
IC114	VE-30019372	IC		
IC119	VE-30001665	IC		
IC325	VE-30017956	IC		
IC375	VE-30017956	IC		
IC600	VE-30007739	IC		
IC650	VE-30017956	IC		
IC702	VE-30027663	IC		
Q100	VE-30001457	TRANSISTOR SMD		
Q101	VE-30001457	TRANSISTOR SMD		
Q101	VE-30007798	TRANSISTOR SMD		
Q102	VE-30001457	TRANSISTOR SMD		
Q102	VE-30007798	TRANSISTOR SMD		
Q103	VE-30001457	TRANSISTOR SMD		
Q103	VE-30007798	TRANSISTOR SMD		
Q104	VE-30001457	TRANSISTOR SMD		
Q104	VE-30001457	TRANSISTOR SMD		
Q106	VE-30001457	TRANSISTOR SMD		
Q106	VE-30007798	TRANSISTOR SMD		
Q107	VE-30001457	TRANSISTOR SMD		
Q108	VE-30001457	TRANSISTOR SMD		
Q108	VE-30007798	TRANSISTOR SMD		
Q109	VE-30001457	TRANSISTOR SMD		
Q110	VE-30001457	TRANSISTOR SMD		
Q111	VE-30001457	TRANSISTOR SMD		
Q112	VE-30001457	TRANSISTOR SMD		
Q113	VE-30001457	TRANSISTOR SMD		
Q114	VE-30001457	TRANSISTOR SMD		
Q115	VE-30001457	TRANSISTOR SMD		
Q116	VE-30001458	TRANSISTOR SMD		
Q500	VE-30001457	TRANSISTOR SMD		
Q501	VE-30001457	TRANSISTOR SMD		
Q502	VE-30001457	TRANSISTOR SMD		
Q503	VE-30001457	TRANSISTOR SMD		
Q504	VE-30001458	TRANSISTOR SMD		
Q505	VE-30001457	TRANSISTOR SMD		
Q506	VE-30001457	TRANSISTOR SMD		
Q507	VE-30001457	TRANSISTOR SMD		
Q508	VE-30001457	TRANSISTOR SMD		
Q509	VE-30001457	TRANSISTOR SMD		
Q600	VE-30001457	TRANSISTOR SMD		
Q601	VE-30001458	TRANSISTOR SMD		
Q602	VE-30001457	TRANSISTOR SMD		
Q703	VE-30001457	TRANSISTOR SMD		
Q704	VE-30001457	TRANSISTOR SMD		
Q705	VE-30001458	TRANSISTOR SMD		
Q750	VE-30001458	TRANSISTOR SMD		
Q751	VE-30001458	TRANSISTOR SMD		
D50	VE-30001279	LED	RED/GREEN	
D51	VE-30001279	LED	RED/GREEN	
D100	VE-30001285	DIODE SMD		
D101	VE-30011601	LED	GREEN	
D102	VE-30010152	LED	RED	
D103	VE-30001313	DIODE		
D103	VE-30012411	DIODE SMD		
D104	VE-30001313	DIODE		
D265	VE-30001285	DIODE SMD		
D266	VE-30001285	DIODE SMD		
D267	VE-30001285	DIODE SMD		
D268	VE-30001285	DIODE SMD		
D269	VE-30001285	DIODE SMD		
D270	VE-30001285	DIODE SMD		
D271	VE-30001285	DIODE SMD		
D272	VE-30001285	DIODE SMD		
D273	VE-30001285	DIODE SMD		
D274	VE-30001285	DIODE SMD		
D275	VE-30007763	DIODE SMD		
D276	VE-30007763	DIODE SMD		
D277	VE-30001285	DIODE SMD		
D278	VE-30001285	DIODE SMD		
D279	VE-30001285	DIODE SMD		
D280	VE-30001285	DIODE SMD		
D600	VE-30001329	DIODE		
D602	VE-30001284	DIODE		
D603	VE-30001285	DIODE SMD		
D604	VE-30001285	DIODE SMD		
D605	VE-30001285	DIODE SMD		
D606	VE-30001285	DIODE SMD		
D700	VE-30001285	DIODE SMD		
D700	VE-30001329	DIODE		
D701	VE-30001285	DIODE SMD		
D701	VE-30001329	DIODE		
D710	VE-30003720	DIODE SMD		
D711	VE-30003720	DIODE SMD		
D950	VE-30001367	DIODE		
C50	VE-30000413	E CAPACITOR	4.7uF 50V M	
C100	VE-30000345	E CAPACITOR	10uF 50V M	
C100	VE-30012576	CAPACITOR SMD	56pF 50V J CH	
C100	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C101	VE-30000109	CAPACITOR MKT	470nF 63V J	
C101	VE-30012560	CAPACITOR SMD	100pF 50V J	
C101	VE-30012589	CAPACITOR SMD	4.7nF 50V K	
C102	VE-30000371	E CAPACITOR	22uF 50V M	
C102	VE-30012560	CAPACITOR SMD	100pF 50V J	
C102	VE-30012571	CAPACITOR SMD	39pF 50V J	
C103	VE-30000294	CAPACITOR SMD	100nF 50V K	
C103	VE-30012560	CAPACITOR SMD	100pF 50V J	
C103	VE-30012571	CAPACITOR SMD	39pF 50V J	
C104	VE-30000345	E CAPACITOR	10uF 50V M	
C104	VE-30012560	CAPACITOR SMD	100pF 50V J	
C104	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C105	VE-30012560	CAPACITOR SMD	100pF 50V J	
C105	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C105	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C106	VE-30000352	E CAPACITOR	100uF 16V M	
C106	VE-30012603	CAPACITOR SMD	100nF 25V K R	
C107	VE-30012581	CAPACITOR SMD	1nF 50V K R	
C107	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C108	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C108	VE-30000352	E CAPACITOR	100uF 16V M	
C109	VE-30012569	CAPACITOR SMD	33pF 50V J	
C109	VE-30012610	CAPACITOR SMD	10nF 50V J	
C110	VE-30000345	E CAPACITOR	10uF 50V M	
C110	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C111	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C111	VE-30000359	E CAPACITOR	1000uF 16V M	
C112	VE-30012571	CAPACITOR SMD	39pF 50V J	
C113	VE-30000371	E CAPACITOR	22uF 50V M	
C114	VE-30000345	E CAPACITOR	10uF 50V M	
C115	VE-30012569	CAPACITOR SMD	33pF 50V J	
C116	VE-30000315	CAPACITOR SMD	220nF 25V Z	
C116	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C117	VE-30000352	E CAPACITOR	100uF 16V M	
C117	VE-30000400	E CAPACITOR	47uF 50V M	
C118	VE-30012573	CAPACITOR SMD	47pF 50V J	
C118	VE-30012610	CAPACITOR SMD	10nF 50V J	
C119	VE-30012573	CAPACITOR SMD	47pF 50V J	
C119	VE-30016654	CAPACITOR SMD	100nF 16V K R	
C120	VE-30000315	CAPACITOR SMD	220nF 25V Z	

⚠Ref No.	Part No.	Part Name	Description Local
C120	VE-30000359	E CAPACITOR	1000uF 16V M
C121	VE-30012581	CAPACITOR SMD	1nF 50V K R
C121	VE-30016654	CAPACITOR SMD	100nF 16V K R
C122	VE-30000352	E CAPACITOR	100uF 16V M
C123	VE-30012569	CAPACITOR SMD	33pF 50V J
C123	VE-30016654	CAPACITOR SMD	100nF 16V K R
C124	VE-30000352	E CAPACITOR	100uF 16V M
C124	VE-30012569	CAPACITOR SMD	33pF 50V J
C125	VE-30000359	E CAPACITOR	1000uF 16V M
C125	VE-30012603	CAPACITOR SMD	100nF 25V K R
C126	VE-30000359	E CAPACITOR	1000uF 16V M
C126	VE-30016126	CAPACITOR SMD	220nF 16V K R
C127	VE-30000359	E CAPACITOR	1000uF 16V M
C127	VE-30012582	CAPACITOR SMD	10nF 50V K R
C128	VE-30007748	E CAPACITOR	1000uF 35V M
C128	VE-30012572	CAPACITOR SMD	390pF 50V J
C129	VE-30000109	CAPACITOR MKT	470nF 63V J
C130	VE-30012610	CAPACITOR SMD	10nF 50V J
C131	VE-30000345	E CAPACITOR	10uF 50V M
C132	VE-30000315	CAPACITOR SMD	220nF 25V Z
C133	VE-30000315	CAPACITOR SMD	220nF 25V Z
C134	VE-30012571	CAPACITOR SMD	39pF 50V J
C135	VE-30012571	CAPACITOR SMD	39pF 50V J
C136	VE-30012566	CAPACITOR SMD	22pF 50V J
C137	VE-30016126	CAPACITOR SMD	220nF 16V K R
C138	VE-30000109	CAPACITOR MKT	470nF 63V J
C139	VE-30012603	CAPACITOR SMD	100nF 25V K R
C140	VE-30012583	CAPACITOR SMD	1.5nF 50V K
C141	VE-30012582	CAPACITOR SMD	10nF 50V K R
C142	VE-30000345	E CAPACITOR	10uF 50V M
C144	VE-30012603	CAPACITOR SMD	100nF 25V K R
C145	VE-30000353	E CAPACITOR	100uF 25V M
C146	VE-30012603	CAPACITOR SMD	100nF 25V K R
C147	VE-30012603	CAPACITOR SMD	100nF 25V K R
C148	VE-30000100	CAPACITOR MKT	330nF 63V J
C149	VE-30012581	CAPACITOR SMD	1nF 50V K R
C150	VE-30012585	CAPACITOR SMD	2.2nF 50V K R
C151	VE-30012585	CAPACITOR SMD	2.2nF 50V K R
C152	VE-30000396	E CAPACITOR	47uF 16V M
C153	VE-30000352	E CAPACITOR	100uF 16V M
C154	VE-30012576	CAPACITOR SMD	56pF 50V J CH
C155	VE-30012585	CAPACITOR SMD	2.2nF 50V K R
C156	VE-30012581	CAPACITOR SMD	1nF 50V K R
C157	VE-30012581	CAPACITOR SMD	1nF 50V K R
C158	VE-30012603	CAPACITOR SMD	100nF 25V K R
C159	VE-30000109	CAPACITOR MKT	470nF 63V J
C160	VE-30012569	CAPACITOR SMD	33pF 50V J
C161	VE-30000345	E CAPACITOR	10uF 50V M
C162	VE-30000345	E CAPACITOR	10uF 50V M
C163	VE-30012581	CAPACITOR SMD	1nF 50V K R
C164	VE-30012569	CAPACITOR SMD	33pF 50V J
C165	VE-30000400	E CAPACITOR	47uF 50V M
C166	VE-30012576	CAPACITOR SMD	56pF 50V J CH
C167	VE-30000352	E CAPACITOR	100uF 16V M
C168	VE-30012571	CAPACITOR SMD	39pF 50V J
C169	VE-30012585	CAPACITOR SMD	2.2nF 50V K R
C170	VE-30012571	CAPACITOR SMD	39pF 50V J
C171	VE-30012569	CAPACITOR SMD	33pF 50V J
C172	VE-30012569	CAPACITOR SMD	33pF 50V J
C173	VE-30000074	CAPACITOR MKT	100nF 63V J
C174	VE-30016126	CAPACITOR SMD	220nF 16V K R
C175	VE-30012582	CAPACITOR SMD	10nF 50V K R
C176	VE-30012572	CAPACITOR SMD	390pF 50V J
C177	VE-30000100	CAPACITOR MKT	330nF 63V J
C178	VE-30000109	CAPACITOR MKT	470nF 63V J
C179	VE-30012610	CAPACITOR SMD	10nF 50V J
C180	VE-30000407	E CAPACITOR	470uF 16V M
C181	VE-30016654	CAPACITOR SMD	100nF 16V K R
C183	VE-30012581	CAPACITOR SMD	1nF 50V K R
C184	VE-30000352	E CAPACITOR	100uF 16V M
C185	VE-30012603	CAPACITOR SMD	100nF 25V K R
C186	VE-30016654	CAPACITOR SMD	100nF 16V K R
C187	VE-30012566	CAPACITOR SMD	22pF 50V J
C188	VE-30016126	CAPACITOR SMD	220nF 16V K R
C189	VE-30012581	CAPACITOR SMD	1nF 50V K R
C190	VE-30000109	CAPACITOR MKT	470nF 63V J
C191	VE-30016654	CAPACITOR SMD	100nF 16V K R
C192	VE-30012583	CAPACITOR SMD	1.5nF 50V K
C193	VE-30016654	CAPACITOR SMD	100nF 16V K R
C194	VE-30012582	CAPACITOR SMD	10nF 50V K R
C195	VE-30000345	E CAPACITOR	10uF 50V M
C196	VE-30012581	CAPACITOR SMD	1nF 50V K R
C197	VE-30012581	CAPACITOR SMD	1nF 50V K R
C198	VE-30000345	E CAPACITOR	10uF 50V M
C199	VE-30012603	CAPACITOR SMD	100nF 25V K R
C200	VE-30012581	CAPACITOR SMD	1nF 50V K R
C201	VE-30012581	CAPACITOR SMD	1nF 50V K R
C202	VE-30012581	CAPACITOR SMD	1nF 50V K R
C203	VE-30012581	CAPACITOR SMD	1nF 50V K R
C204	VE-30012581	CAPACITOR SMD	1nF 50V K R
C205	VE-30012581	CAPACITOR SMD	1nF 50V K R
C206	VE-30000345	E CAPACITOR	10uF 50V M
C207	VE-30000371	E CAPACITOR	22uF 50V M
C208	VE-30016126	CAPACITOR SMD	220nF 16V K R
C209	VE-30016126	CAPACITOR SMD	220nF 16V K R
C210	VE-30000393	E CAPACITOR	3.3uF 50V M
C211	VE-30012603	CAPACITOR SMD	100nF 25V K R
C212	VE-30012583	CAPACITOR SMD	1.5nF 50V K
C213	VE-30016126	CAPACITOR SMD	220nF 16V K R
C214	VE-30016126	CAPACITOR SMD	220nF 16V K R
C215	VE-30016126	CAPACITOR SMD	220nF 16V K R
C216	VE-30016126	CAPACITOR SMD	220nF 16V K R
C217	VE-30016126	CAPACITOR SMD	220nF 16V K R
C218	VE-30016126	CAPACITOR SMD	220nF 16V K R
C219	VE-30016126	CAPACITOR SMD	220nF 16V K R
C220	VE-30012577	CAPACITOR SMD	560pF 50V J
C221	VE-30000371	E CAPACITOR	22uF 50V M
C222	VE-30012574	CAPACITOR SMD	470pF 50V J
C223	VE-30000352	E CAPACITOR	100uF 16V M
C224	VE-30012583	CAPACITOR SMD	1.5nF 50V K
C225	VE-30000345	E CAPACITOR	10uF 50V M
C226	VE-30012581	CAPACITOR SMD	1nF 50V K R
C227	VE-30012576	CAPACITOR SMD	56pF 50V J CH
C229	VE-30000345	E CAPACITOR	10uF 50V M
C230	VE-30012576	CAPACITOR SMD	56pF 50V J CH
C232	VE-30012576	CAPACITOR SMD	56pF 50V J CH
C234	VE-30012565	CAPACITOR SMD	1.8pF 50V J CH
C235	VE-30012581	CAPACITOR SMD	1nF 50V K R
C236	VE-30000371	E CAPACITOR	22uF 50V M
C237	VE-30012581	CAPACITOR SMD	1nF 50V K R
C238	VE-30012565	CAPACITOR SMD	1.8pF 50V J CH
C239	VE-30012581	CAPACITOR SMD	1nF 50V K R
C240	VE-30012581	CAPACITOR SMD	1nF 50V K R
C241	VE-30000371	E CAPACITOR	22uF 50V M
C242	VE-30012581	CAPACITOR SMD	1nF 50V K R
C243	VE-30012581	CAPACITOR SMD	1nF 50V K R
C244	VE-30012581	CAPACITOR SMD	1nF 50V K R
C245	VE-30012581	CAPACITOR SMD	1nF 50V K R
C246	VE-30012560	CAPACITOR SMD	100pF 50V J
C247	VE-30000371	E CAPACITOR	22uF 50V M
C248	VE-30000407	E CAPACITOR	470uF 16V M
C249	VE-30009208	C CAPACITOR	470pF 1KV K (PULSE)
C250	VE-30012571	CAPACITOR SMD	39pF 50V J
C251	VE-30012574	CAPACITOR SMD	470pF 50V J
C252	VE-30012568	CAPACITOR SMD	270pF 50V J
C253	VE-30012583	CAPACITOR SMD	1.5nF 50V K
C254	VE-30012571	CAPACITOR SMD	39pF 50V J
C255	VE-30000345	E CAPACITOR	10uF 50V M
C256	VE-30000352	E CAPACITOR	100uF 16V M
C257	VE-30012560	CAPACITOR SMD	100pF 50V J
C258	VE-30012560	CAPACITOR SMD	100pF 50V J
C259	VE-30012608	CAPACITOR SMD	27pF 50V J CH
C260	VE-30012608	CAPACITOR SMD	27pF 50V J CH
C261	VE-30012608	CAPACITOR SMD	27pF 50V J CH
C265	VE-30012607	CAPACITOR SMD	150pF 50V J
C266	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C267	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C270	VE-30016654	CAPACITOR SMD	100nF 16V K R
C271	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C272	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C273	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C274	VE-30012607	CAPACITOR SMD	150pF 50V J
C275	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C276	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C277	VE-30012607	CAPACITOR SMD	150pF 50V J
C278	VE-30012607	CAPACITOR SMD	150pF 50V J
C279	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C280	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C281	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C282	VE-30012607	CAPACITOR SMD	150pF 50V J
C283	VE-30012607	CAPACITOR SMD	150pF 50V J
C284	VE-30012607	CAPACITOR SMD	150pF 50V J
C286	VE-30012607	CAPACITOR SMD	150pF 50V J
C288	VE-30012607	CAPACITOR SMD	150pF 50V J
C291	VE-30012607	CAPACITOR SMD	150pF 50V J
C292	VE-30012581	CAPACITOR SMD	1nF 50V K R
C293	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C294	VE-30012581	CAPACITOR SMD	1nF 50V K R
C295	VE-30012607	CAPACITOR SMD	150pF 50V J
C296	VE-30012589	CAPACITOR SMD	4.7nF 50V K
C297	VE-30012607	CAPACITOR SMD	150pF 50V J
C298	VE-30012607	CAPACITOR SMD	150pF 50V J
C299	VE-30012607	CAPACITOR SMD	150pF 50V J
C300	VE-30000400	E CAPACITOR	47uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
C301	VE-30016654	CAPACITOR SMD	100nF 16V K R
C302	VE-30012607	CAPACITOR SMD	150pF 50V J
C303	VE-30012607	CAPACITOR SMD	150pF 50V J
C304	VE-30012607	CAPACITOR SMD	150pF 50V J
C325	VE-30012571	CAPACITOR SMD	39pF 50V J
C326	VE-30012571	CAPACITOR SMD	39pF 50V J
C327	VE-30012602	CAPACITOR SMD	10nF 25V K R
C328	VE-30012590	CAPACITOR SMD	47nF 50V K
C329	VE-30012590	CAPACITOR SMD	47nF 50V K
C330	VE-30012590	CAPACITOR SMD	47nF 50V K
C331	VE-30012590	CAPACITOR SMD	47nF 50V K
C332	VE-30012590	CAPACITOR SMD	47nF 50V K
C333	VE-30012590	CAPACITOR SMD	47nF 50V K
C334	VE-30012590	CAPACITOR SMD	47nF 50V K
C335	VE-30012590	CAPACITOR SMD	47nF 50V K
C336	VE-30012606	CAPACITOR SMD	47nF 25V K R
C337	VE-30012590	CAPACITOR SMD	47nF 50V K
C338	VE-30012590	CAPACITOR SMD	47nF 50V K
C339	VE-30000294	CAPACITOR SMD	100nF 50V K
C340	VE-30000294	CAPACITOR SMD	100nF 50V K
C341	VE-30000294	CAPACITOR SMD	100nF 50V K
C342	VE-30000294	CAPACITOR SMD	100nF 50V K
C343	VE-30000294	CAPACITOR SMD	100nF 50V K
C344	VE-30000294	CAPACITOR SMD	100nF 50V K
C345	VE-30000294	CAPACITOR SMD	100nF 50V K
C346	VE-30000294	CAPACITOR SMD	100nF 50V K
C347	VE-30000294	CAPACITOR SMD	100nF 50V K
C348	VE-30000294	CAPACITOR SMD	100nF 50V K
C349	VE-30000294	CAPACITOR SMD	100nF 50V K
C350	VE-30000294	CAPACITOR SMD	100nF 50V K
C351	VE-30016654	CAPACITOR SMD	100nF 16V K R
C352	VE-30000353	E CAPACITOR	100uF 25V M
C353	VE-30016654	CAPACITOR SMD	100nF 16V K R
C354	VE-30000352	E CAPACITOR	100uF 16V M
C355	VE-30000352	E CAPACITOR	100uF 16V M
C375	VE-30010571	E CAPACITOR	10uF 16V M
C376	VE-30012603	CAPACITOR SMD	100nF 25V K R
C377	VE-30012603	CAPACITOR SMD	100nF 25V K R
C378	VE-30012603	CAPACITOR SMD	100nF 25V K R
C379	VE-30012603	CAPACITOR SMD	100nF 25V K R
C380	VE-30000371	E CAPACITOR	22uF 50V M
C381	VE-30012603	CAPACITOR SMD	100nF 25V K R
C382	VE-30012603	CAPACITOR SMD	100nF 25V K R
C383	VE-30012590	CAPACITOR SMD	47nF 50V K
C384	VE-30012603	CAPACITOR SMD	100nF 25V K R
C385	VE-30012603	CAPACITOR SMD	100nF 25V K R
C386	VE-30012603	CAPACITOR SMD	100nF 25V K R
C387	VE-30012581	CAPACITOR SMD	1nF 50V K R
C388	VE-30012590	CAPACITOR SMD	47nF 50V K
C389	VE-30012603	CAPACITOR SMD	100nF 25V K R
C390	VE-30012603	CAPACITOR SMD	100nF 25V K R
C391	VE-30012590	CAPACITOR SMD	47nF 50V K
C392	VE-30012603	CAPACITOR SMD	100nF 25V K R
C393	VE-30012603	CAPACITOR SMD	100nF 25V K R
C394	VE-30012603	CAPACITOR SMD	100nF 25V K R
C395	VE-30012603	CAPACITOR SMD	100nF 25V K R
C396	VE-30012603	CAPACITOR SMD	100nF 25V K R
C397	VE-30012603	CAPACITOR SMD	100nF 25V K R
C398	VE-30012603	CAPACITOR SMD	100nF 25V K R
C399	VE-30000353	E CAPACITOR	100uF 25V M
C400	VE-30000353	E CAPACITOR	100uF 25V M
C401	VE-30012587	CAPACITOR SMD	3.3nF 50V K
C402	VE-30012588	CAPACITOR SMD	33nF 50V K
C403	VE-30016654	CAPACITOR SMD	100nF 16V K R
C404	VE-30000352	E CAPACITOR	100uF 16V M
C405	VE-30000352	E CAPACITOR	100uF 16V M
C406	VE-30016654	CAPACITOR SMD	100nF 16V K R
C450	VE-30000345	E CAPACITOR	10uF 50V M
C451	VE-30012570	CAPACITOR SMD	330pF 50V J
C452	VE-30000345	E CAPACITOR	10uF 50V M
C453	VE-30012570	CAPACITOR SMD	330pF 50V J
C454	VE-30012570	CAPACITOR SMD	330pF 50V J
C455	VE-30012560	CAPACITOR SMD	100pF 50V J
C456	VE-30012560	CAPACITOR SMD	100pF 50V J
C457	VE-30012570	CAPACITOR SMD	330pF 50V J
C458	VE-30012570	CAPACITOR SMD	330pF 50V J
C459	VE-30012570	CAPACITOR SMD	330pF 50V J
C460	VE-30012560	CAPACITOR SMD	100pF 50V J
C461	VE-30012560	CAPACITOR SMD	100pF 50V J
C462	VE-30012570	CAPACITOR SMD	330pF 50V J
C463	VE-30000345	E CAPACITOR	10uF 50V M
C464	VE-30012560	CAPACITOR SMD	100pF 50V J
C465	VE-30012570	CAPACITOR SMD	330pF 50V J
C466	VE-30012570	CAPACITOR SMD	330pF 50V J
C467	VE-30012570	CAPACITOR SMD	330pF 50V J
C468	VE-30012570	CAPACITOR SMD	330pF 50V J
C469	VE-30012603	CAPACITOR SMD	100nF 25V K R
C500	VE-30012603	CAPACITOR SMD	100nF 25V K R
C501	VE-30012603	CAPACITOR SMD	100nF 25V K R
C502	VE-30012603	CAPACITOR SMD	100nF 25V K R
C503	VE-30012603	CAPACITOR SMD	100nF 25V K R
C504	VE-30012603	CAPACITOR SMD	100nF 25V K R
C505	VE-30012603	CAPACITOR SMD	100nF 25V K R
C506	VE-30012603	CAPACITOR SMD	100nF 25V K R
C507	VE-30012603	CAPACITOR SMD	100nF 25V K R
C508	VE-30012603	CAPACITOR SMD	100nF 25V K R
C509	VE-30012603	CAPACITOR SMD	100nF 25V K R
C510	VE-30012603	CAPACITOR SMD	100nF 25V K R
C511	VE-30012603	CAPACITOR SMD	100nF 25V K R
C512	VE-30012603	CAPACITOR SMD	100nF 25V K R
C513	VE-30012603	CAPACITOR SMD	100nF 25V K R
C514	VE-30012603	CAPACITOR SMD	100nF 25V K R
C515	VE-30012603	CAPACITOR SMD	100nF 25V K R
C516	VE-30000371	E CAPACITOR	22uF 50V M
C517	VE-30012603	CAPACITOR SMD	100nF 25V K R
C518	VE-30012610	CAPACITOR SMD	10nF 50V J
C519	VE-30016654	CAPACITOR SMD	100nF 16V K R
C520	VE-30012564	CAPACITOR SMD	18pF 50V J
C521	VE-30016654	CAPACITOR SMD	100nF 16V K R
C522	VE-30012564	CAPACITOR SMD	18pF 50V J
C523	VE-30000362	E CAPACITOR	1uF 50V M
C524	VE-30016654	CAPACITOR SMD	100nF 16V K R
C525	VE-30000362	E CAPACITOR	1uF 50V M
C526	VE-30000345	E CAPACITOR	10uF 50V M
C527	VE-30016654	CAPACITOR SMD	100nF 16V K R
C528	VE-30012603	CAPACITOR SMD	100nF 25V K R
C529	VE-30000371	E CAPACITOR	22uF 50V M
C530	VE-30000371	E CAPACITOR	22uF 50V M
C531	VE-30000345	E CAPACITOR	10uF 50V M
C532	VE-30000345	E CAPACITOR	10uF 50V M
C533	VE-30012603	CAPACITOR SMD	100nF 25V K R
C534	VE-30012603	CAPACITOR SMD	100nF 25V K R
C535	VE-30012603	CAPACITOR SMD	100nF 25V K R
C536	VE-30012603	CAPACITOR SMD	100nF 25V K R
C537	VE-30016654	CAPACITOR SMD	100nF 16V K R
C539	VE-30012577	CAPACITOR SMD	560pF 50V J
C540	VE-30000352	E CAPACITOR	100uF 16V M
C541	VE-30012603	CAPACITOR SMD	100nF 25V K R
C542	VE-30012603	CAPACITOR SMD	100nF 25V K R
C600	VE-30000359	E CAPACITOR	1000uF 16V M
C601	VE-30000359	E CAPACITOR	1000uF 16V M
C602	VE-30012609	CAPACITOR SMD	68nF 50V K
C603	VE-30000353	E CAPACITOR	100uF 25V M
C604	VE-30016654	CAPACITOR SMD	100nF 16V K R
C606	VE-30012603	CAPACITOR SMD	100nF 25V K R
C607	VE-30000362	E CAPACITOR	1uF 50V M
C608	VE-30012603	CAPACITOR SMD	100nF 25V K R
C609	VE-30012587	CAPACITOR SMD	3.3nF 50V K
C610	VE-30000400	E CAPACITOR	47uF 50V M
C611	VE-30012603	CAPACITOR SMD	100nF 25V K R
C612	VE-30000359	E CAPACITOR	1000uF 16V M
C613	VE-30000400	E CAPACITOR	47uF 50V M
C614	VE-30000316	C CAPACITOR	220nF 25V Z F
C615	VE-30012603	CAPACITOR SMD	100nF 25V K R
C616	VE-30000362	E CAPACITOR	1uF 50V M
C617	VE-30000352	E CAPACITOR	100uF 16V M
C618	VE-30000352	E CAPACITOR	100uF 16V M
C650	VE-30012602	CAPACITOR SMD	10nF 25V K R
C651	VE-30012571	CAPACITOR SMD	39pF 50V J
C652	VE-30012571	CAPACITOR SMD	39pF 50V J
C653	VE-30012590	CAPACITOR SMD	47nF 50V K
C654	VE-30012590	CAPACITOR SMD	47nF 50V K
C655	VE-30012590	CAPACITOR SMD	47nF 50V K
C656	VE-30012590	CAPACITOR SMD	47nF 50V K
C657	VE-30012590	CAPACITOR SMD	47nF 50V K
C658	VE-30012590	CAPACITOR SMD	47nF 50V K
C659	VE-30012606	CAPACITOR SMD	47nF 25V K R
C660	VE-30012590	CAPACITOR SMD	47nF 50V K
C661	VE-30012590	CAPACITOR SMD	47nF 50V K
C662	VE-30012590	CAPACITOR SMD	47nF 50V K
C663	VE-30012606	CAPACITOR SMD	47nF 25V K R
C664	VE-30000294	CAPACITOR SMD	100nF 50V K
C665	VE-30000294	CAPACITOR SMD	100nF 50V K
C666	VE-30000294	CAPACITOR SMD	100nF 50V K
C667	VE-30000294	CAPACITOR SMD	100nF 50V K
C668	VE-30000294	CAPACITOR SMD	100nF 50V K
C669	VE-30000294	CAPACITOR SMD	100nF 50V K
C670	VE-30000294	CAPACITOR SMD	100nF 50V K
C671	VE-30000294	CAPACITOR SMD	100nF 50V K
C672	VE-30000294	CAPACITOR SMD	100nF 50V K
C673	VE-30000294	CAPACITOR SMD	100nF 50V K
C674	VE-30000294	CAPACITOR SMD	100nF 50V K
C675	VE-30000294	CAPACITOR SMD	100nF 50V K
C676	VE-30000294	CAPACITOR SMD	100nF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C677	VE-30016654	CAPACITOR SMD	100nF 16V K R
C678	VE-30000353	E CAPACITOR	100uF 25V M
C679	VE-30016654	CAPACITOR SMD	100nF 16V K R
C680	VE-30000352	E CAPACITOR	100uF 16V M
C681	VE-30000352	E CAPACITOR	100uF 16V M
C700	VE-30012603	CAPACITOR SMD	100nF 25V K R
C701	VE-30012603	CAPACITOR SMD	100nF 25V K R
C702	VE-30012603	CAPACITOR SMD	100nF 25V K R
C703	VE-30012603	CAPACITOR SMD	100nF 25V K R
C704	VE-30012603	CAPACITOR SMD	100nF 25V K R
C705	VE-30012564	CAPACITOR SMD	18pF 50V J
C706	VE-30012564	CAPACITOR SMD	18pF 50V J
C707	VE-30012603	CAPACITOR SMD	100nF 25V K R
C708	VE-30012603	CAPACITOR SMD	100nF 25V K R
C709	VE-30012603	CAPACITOR SMD	100nF 25V K R
C710	VE-30012603	CAPACITOR SMD	100nF 25V K R
C711	VE-30012603	CAPACITOR SMD	100nF 25V K R
C712	VE-30012603	CAPACITOR SMD	100nF 25V K R
C713	VE-30012610	CAPACITOR SMD	10nF 50V J
C714	VE-30000345	E CAPACITOR	10uF 50V M
C715	VE-30012610	CAPACITOR SMD	10nF 50V J
C726	VE-30016654	CAPACITOR SMD	100nF 16V K R
C727	VE-30016654	CAPACITOR SMD	100nF 16V K R
C728	VE-30000353	E CAPACITOR	100uF 25V M
C729	VE-30000353	E CAPACITOR	100uF 25V M
C741	VE-30000353	E CAPACITOR	100uF 25V M
C742	VE-30000353	E CAPACITOR	100uF 25V M
C743	VE-30000353	E CAPACITOR	100uF 25V M
C744	VE-30000353	E CAPACITOR	100uF 25V M
C745	VE-30000353	E CAPACITOR	100uF 25V M
C751	VE-30000355	E CAPACITOR	100uF 50V M
C752	VE-30000237	CAPACITOR SMD	33pF 50V J
C753	VE-30000294	CAPACITOR SMD	100nF 50V K
C754	VE-30000294	CAPACITOR SMD	100nF 50V K
C755	VE-30000355	E CAPACITOR	100uF 50V M
C756	VE-30000294	CAPACITOR SMD	100nF 50V K
C757	VE-30000345	E CAPACITOR	10uF 50V M
C758	VE-30000209	CAPACITOR SMD	18pF 50V J
C759	VE-30000209	CAPACITOR SMD	18pF 50V J
C760	VE-30000294	CAPACITOR SMD	100nF 50V K
C761	VE-30000294	CAPACITOR SMD	100nF 50V K
C762	VE-30000294	CAPACITOR SMD	100nF 50V K
C763	VE-30000294	CAPACITOR SMD	100nF 50V K
C764	VE-30000294	CAPACITOR SMD	100nF 50V K
C765	VE-30000294	CAPACITOR SMD	100nF 50V K
C775	VE-30000376	E CAPACITOR	220uF 25V M
C776	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C777	VE-30000294	CAPACITOR SMD	100nF 50V K
C778	VE-30000294	CAPACITOR SMD	100nF 50V K
C779	VE-30012567	CAPACITOR SMD	220pF 50V J
C780	VE-30012610	CAPACITOR SMD	10nF 50V J
C781	VE-30012610	CAPACITOR SMD	10nF 50V J
C782	VE-30000294	CAPACITOR SMD	100nF 50V K
C783	VE-30000294	CAPACITOR SMD	100nF 50V K
C784	VE-30000376	E CAPACITOR	220uF 25V M
C785	VE-30012581	CAPACITOR SMD	1nF 50V K R
C786	VE-30012581	CAPACITOR SMD	1nF 50V K R
C787	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C788	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C789	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C790	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C791	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C792	VE-30020694	CAPACITOR SMD	1uF 16V Z Y5V
C793	VE-30012610	CAPACITOR SMD	10nF 50V J
C794	VE-30012610	CAPACITOR SMD	10nF 50V J
C795	VE-30012581	CAPACITOR SMD	1nF 50V K R
C796	VE-30012581	CAPACITOR SMD	1nF 50V K R
C800	VE-30000294	CAPACITOR SMD	100nF 50V K
C801	VE-30000294	CAPACITOR SMD	100nF 50V K
C802	VE-30000294	CAPACITOR SMD	100nF 50V K
C803	VE-30000376	E CAPACITOR	220uF 25V M
C804	VE-30000353	E CAPACITOR	100uF 25V M
C805	VE-30000109	CAPACITOR MKT	470nF 63V J
C806	VE-30000109	CAPACITOR MKT	470nF 63V J
C807	VE-30000109	CAPACITOR MKT	470nF 63V J
C808	VE-30000109	CAPACITOR MKT	470nF 63V J
C809	VE-30033474	E CAPACITOR	2200uF 16V M (13x21)
C810	VE-30033474	E CAPACITOR	2200uF 16V M (13x21)
C990	VE-30000237	CAPACITOR SMD	33pF 50V J
R1	VE-30000460	RESISTOR CF	1/4W 100R G
R2	VE-30000460	RESISTOR CF	1/4W 100R G
R50	VE-30000459	RESISTOR CF	1/4W 100R J
R100	VE-30012655	RESISTOR SMD	1/16W 180R J
R100	VE-30014022	RESISTOR SMD	1/16W 47R J
R100	VE-30014076	RESISTOR SMD	1/16W 4.7R J
⚠R100	VE-30018085	CAPACITOR VAR	SAFE 510V K

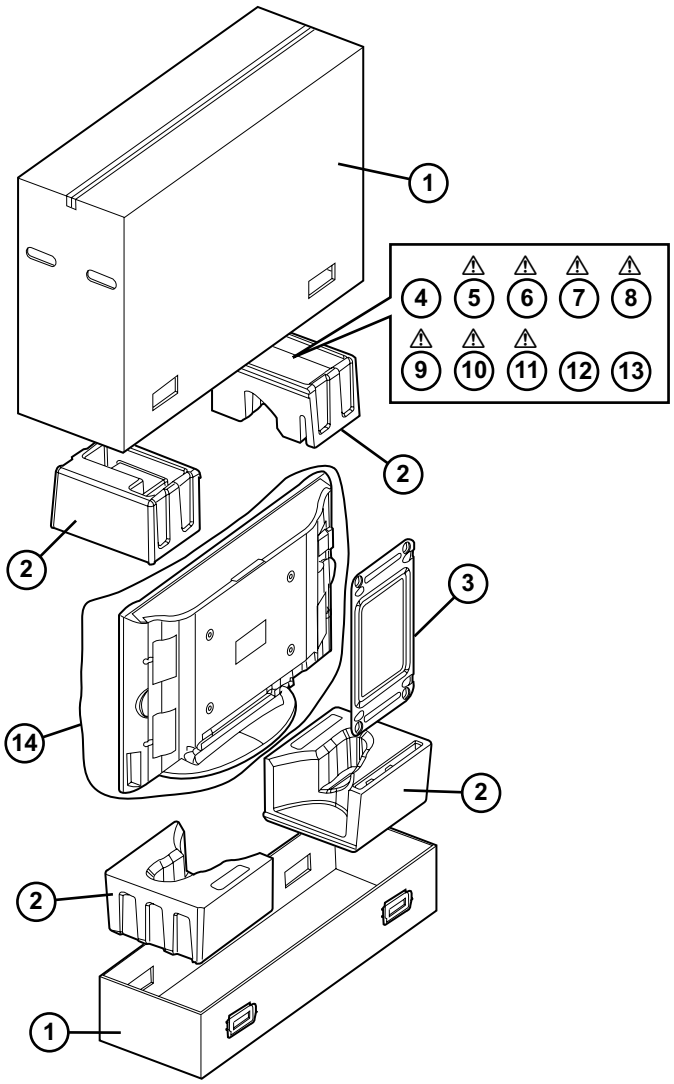
⚠Ref No.	Part No.	Part Name	Description Local
R101	VE-30012713	RESISTOR SMD	1/16W 75R J
R101	VE-30012986	RESISTOR SMD	1/16W 68R J
R101	VE-30014022	RESISTOR SMD	1/16W 47R J
R102	VE-30012641	RESISTOR SMD	1/16W 10K J
R102	VE-30012713	RESISTOR SMD	1/16W 75R J
R102	VE-30012986	RESISTOR SMD	1/16W 68R J
R103	VE-30012641	RESISTOR SMD	1/16W 10K J
R103	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R103	VE-30012713	RESISTOR SMD	1/16W 75R J
R104	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R104	VE-30012669	RESISTOR SMD	1/16W 22K J
R105	VE-30012510	RESISTOR SMD	1/16W 100R J
R105	VE-30012695	RESISTOR SMD	1/16W 470R J
R105	VE-30012703	RESISTOR SMD	1/16W 56K J
R106	VE-30012510	RESISTOR SMD	1/16W 100R J
R106	VE-30012669	RESISTOR SMD	1/16W 22K J
R106	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R107	VE-30012510	RESISTOR SMD	1/16W 100R J
R107	VE-30012695	RESISTOR SMD	1/16W 470R J
R108	VE-30012510	RESISTOR SMD	1/16W 100R J
R108	VE-30014022	RESISTOR SMD	1/16W 47R J
R109	VE-30012510	RESISTOR SMD	1/16W 100R J
R109	VE-30014022	RESISTOR SMD	1/16W 47R J
R110	VE-30012510	RESISTOR SMD	1/16W 100R J
R110	VE-30012641	RESISTOR SMD	1/16W 10K J
R111	VE-30012641	RESISTOR SMD	1/16W 10K J
R111	VE-30012698	RESISTOR SMD	1/16W 5.6K J
R112	VE-30012510	RESISTOR SMD	1/16W 100R J
R112	VE-30012510	RESISTOR SMD	1/16W 100R J
R113	VE-30012510	RESISTOR SMD	1/16W 100R J
R113	VE-30012685	RESISTOR SMD	1/16W 33K J
R114	VE-30012641	RESISTOR SMD	1/16W 10K J
R114	VE-30012705	RESISTOR SMD	1/16W 6.8K J
R115	VE-30012651	RESISTOR SMD	1/16W 160K J
R115	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R116	VE-30000721	RESISTOR SMD	1/10W 4.7K J
R116	VE-30012657	RESISTOR SMD	1/16W 1K J
R117	VE-30000721	RESISTOR SMD	1/10W 4.7K J
R117	VE-30012641	RESISTOR SMD	1/16W 10K J
R118	VE-30012641	RESISTOR SMD	1/16W 10K J
R118	VE-30013001	RESISTOR SMD	1/16W 1K F
R119	VE-30012641	RESISTOR SMD	1/16W 10K J
R119	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R120	VE-30012641	RESISTOR SMD	1/16W 10K J
R120	VE-30012641	RESISTOR SMD	1/16W 10K J
R121	VE-30012641	RESISTOR SMD	1/16W 10K J
R122	VE-30014420	RESISTOR SMD	1/16W 10K F
R123	VE-30012510	RESISTOR SMD	1/16W 100R J
R124	VE-30012510	RESISTOR SMD	1/16W 100R J
R124	VE-30012641	RESISTOR SMD	1/16W 10K J
R125	VE-30012641	RESISTOR SMD	1/16W 10K J
R125	VE-30014022	RESISTOR SMD	1/16W 47R J
R126	VE-30012510	RESISTOR SMD	1/16W 100R J
R127	VE-30012510	RESISTOR SMD	1/16W 100R J
R127	VE-30012713	RESISTOR SMD	1/16W 75R J
R128	VE-30012669	RESISTOR SMD	1/16W 22K J
R129	VE-30012705	RESISTOR SMD	1/16W 6.8K J
R130	VE-30012657	RESISTOR SMD	1/16W 1K J
R131	VE-30012510	RESISTOR SMD	1/16W 100R J
R131	VE-30012641	RESISTOR SMD	1/16W 10K J
R132	VE-30012641	RESISTOR SMD	1/16W 10K J
R132	VE-30012713	RESISTOR SMD	1/16W 75R J
R133	VE-30012510	RESISTOR SMD	1/16W 100R J
R133	VE-30012669	RESISTOR SMD	1/16W 22K J
R134	VE-30012510	RESISTOR SMD	1/16W 100R J
R135	VE-30012510	RESISTOR SMD	1/16W 100R J
R136	VE-30012713	RESISTOR SMD	1/16W 75R J
R137	VE-30012657	RESISTOR SMD	1/16W 1K J
R138	VE-30012713	RESISTOR SMD	1/16W 75R J
R139	VE-30012713	RESISTOR SMD	1/16W 75R J
R140	VE-30012657	RESISTOR SMD	1/16W 1K J
R142	VE-30012713	RESISTOR SMD	1/16W 75R J
R143	VE-30012657	RESISTOR SMD	1/16W 1K J
R144	VE-30012644	RESISTOR SMD	1/16W 12K J
R145	VE-30012668	RESISTOR SMD	1/16W 220R J
R146	VE-30012657	RESISTOR SMD	1/16W 1K J
R147	VE-30012657	RESISTOR SMD	1/16W 1K J
R148	VE-30012644	RESISTOR SMD	1/16W 12K J
R149	VE-30012703	RESISTOR SMD	1/16W 56K J
R150	VE-30012649	RESISTOR SMD	1/16W 150R J
R151	VE-30012641	RESISTOR SMD	1/16W 10K J
R152	VE-30012713	RESISTOR SMD	1/16W 75R J
R153	VE-30012657	RESISTOR SMD	1/16W 1K J
R154	VE-30012713	RESISTOR SMD	1/16W 75R J
R155	VE-30014022	RESISTOR SMD	1/16W 47R J
R156	VE-30012641	RESISTOR SMD	1/16W 10K J
R157	VE-30012692	RESISTOR SMD	1/16W 4.7K J

⚠Ref No.	Part No.	Part Name	Description	Local
R158	VE-30012651	RESISTOR SMD	1/16W 160K J	
R159	VE-30012669	RESISTOR SMD	1/16W 22K J	
R160	VE-30012713	RESISTOR SMD	1/16W 75R J	
R161	VE-30012510	RESISTOR SMD	1/16W 100R J	
R162	VE-30012510	RESISTOR SMD	1/16W 100R J	
R163	VE-30012510	RESISTOR SMD	1/16W 100R J	
R164	VE-30012510	RESISTOR SMD	1/16W 100R J	
R165	VE-30012651	RESISTOR SMD	1/16W 160K J	
R166	VE-30012698	RESISTOR SMD	1/16W 5.6K J	
R167	VE-30012641	RESISTOR SMD	1/16W 10K J	
R168	VE-30012510	RESISTOR SMD	1/16W 100R J	
R169	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R170	VE-30012679	RESISTOR SMD	1/16W 3.9K J	
R171	VE-30012679	RESISTOR SMD	1/16W 3.9K J	
R172	VE-30013001	RESISTOR SMD	1/16W 1K F	
R173	VE-30012650	RESISTOR SMD	1/16W 15K J	
R174	VE-30012705	RESISTOR SMD	1/16W 6.8K J	
R175	VE-30012679	RESISTOR SMD	1/16W 3.9K J	
R176	VE-30012669	RESISTOR SMD	1/16W 22K J	
R177	VE-30012705	RESISTOR SMD	1/16W 6.8K J	
R178	VE-30012659	RESISTOR SMD	1/16W 2.2K J	
R179	VE-30012648	RESISTOR SMD	1/16W 150K J	
R180	VE-30012650	RESISTOR SMD	1/16W 15K J	
R181	VE-30012648	RESISTOR SMD	1/16W 150K J	
R182	VE-30012657	RESISTOR SMD	1/16W 1K J	
R184	VE-30012510	RESISTOR SMD	1/16W 100R J	
R185	VE-30012669	RESISTOR SMD	1/16W 22K J	
R186	VE-30012644	RESISTOR SMD	1/16W 12K J	
R187	VE-30012644	RESISTOR SMD	1/16W 12K J	
R188	VE-30012703	RESISTOR SMD	1/16W 56K J	
R189	VE-30012649	RESISTOR SMD	1/16W 150R J	
R190	VE-30012668	RESISTOR SMD	1/16W 220R J	
R191	VE-30012713	RESISTOR SMD	1/16W 75R J	
R192	VE-30012657	RESISTOR SMD	1/16W 1K J	
R193	VE-30012657	RESISTOR SMD	1/16W 1K J	
R194	VE-30012657	RESISTOR SMD	1/16W 1K J	
R195	VE-30012657	RESISTOR SMD	1/16W 1K J	
R196	VE-30012657	RESISTOR SMD	1/16W 1K J	
R197	VE-30012657	RESISTOR SMD	1/16W 1K J	
R198	VE-30012657	RESISTOR SMD	1/16W 1K J	
R199	VE-30012657	RESISTOR SMD	1/16W 1K J	
R200	VE-30013001	RESISTOR SMD	1/16W 1K F	
R201	VE-30012510	RESISTOR SMD	1/16W 100R J	
R202	VE-30013001	RESISTOR SMD	1/16W 1K F	
R203	VE-30013001	RESISTOR SMD	1/16W 1K F	
R204	VE-30012510	RESISTOR SMD	1/16W 100R J	
R205	VE-30012510	RESISTOR SMD	1/16W 100R J	
R206	VE-30012510	RESISTOR SMD	1/16W 100R J	
R207	VE-30013001	RESISTOR SMD	1/16W 1K F	
R208	VE-30012510	RESISTOR SMD	1/16W 100R J	
R209	VE-30012510	RESISTOR SMD	1/16W 100R J	
R210	VE-30012657	RESISTOR SMD	1/16W 1K J	
R211	VE-30012510	RESISTOR SMD	1/16W 100R J	
R212	VE-30012657	RESISTOR SMD	1/16W 1K J	
R213	VE-30012657	RESISTOR SMD	1/16W 1K J	
R214	VE-30012510	RESISTOR SMD	1/16W 100R J	
R215	VE-30012510	RESISTOR SMD	1/16W 100R J	
R216	VE-30012695	RESISTOR SMD	1/16W 470R J	
R217	VE-30012695	RESISTOR SMD	1/16W 470R J	
R218	VE-30012510	RESISTOR SMD	1/16W 100R J	
R219	VE-30012510	RESISTOR SMD	1/16W 100R J	
R265	VE-30012713	RESISTOR SMD	1/16W 75R J	
R266	VE-30014078	RESISTOR SMD	1/16W 22R J	
R267	VE-30012713	RESISTOR SMD	1/16W 75R J	
R268	VE-30012713	RESISTOR SMD	1/16W 75R J	
R274	VE-30014078	RESISTOR SMD	1/16W 22R J	
R275	VE-30014078	RESISTOR SMD	1/16W 22R J	
R276	VE-30014078	RESISTOR SMD	1/16W 22R J	
R277	VE-30012675	RESISTOR SMD	1/16W 2K J	
R278	VE-30012675	RESISTOR SMD	1/16W 2K J	
R279	VE-30012707	RESISTOR SMD	1/16W 680R J	
R280	VE-30012707	RESISTOR SMD	1/16W 680R J	
R281	VE-30012510	RESISTOR SMD	1/16W 100R J	
R282	VE-30012510	RESISTOR SMD	1/16W 100R J	
R283	VE-30012641	RESISTOR SMD	1/16W 10K J	
R284	VE-30012641	RESISTOR SMD	1/16W 10K J	
R285	VE-30012510	RESISTOR SMD	1/16W 100R J	
R286	VE-30012713	RESISTOR SMD	1/16W 75R J	
R289	VE-30012713	RESISTOR SMD	1/16W 75R J	
R290	VE-30012707	RESISTOR SMD	1/16W 680R J	
R291	VE-30012713	RESISTOR SMD	1/16W 75R J	
R292	VE-30012713	RESISTOR SMD	1/16W 75R J	
R295	VE-30012713	RESISTOR SMD	1/16W 75R J	
R296	VE-30012713	RESISTOR SMD	1/16W 75R J	
R297	VE-30012707	RESISTOR SMD	1/16W 680R J	
R298	VE-30012713	RESISTOR SMD	1/16W 75R J	
R299	VE-30013001	RESISTOR SMD	1/16W 1K F	
R300	VE-30012713	RESISTOR SMD	1/16W 75R J	
R301	VE-30012510	RESISTOR SMD	1/16W 100R J	
R302	VE-30012713	RESISTOR SMD	1/16W 75R J	
R304	VE-30012713	RESISTOR SMD	1/16W 75R J	
R325	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R326	VE-30014022	RESISTOR SMD	1/16W 47R J	
R327	VE-30012510	RESISTOR SMD	1/16W 100R J	
R328	VE-30012510	RESISTOR SMD	1/16W 100R J	
R329	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J	
R330	VE-30012987	RESISTOR SMD	1/16W 56R J	
R331	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J	
R332	VE-30014078	RESISTOR SMD	1/16W 22R J	
R333	VE-30012987	RESISTOR SMD	1/16W 56R J	
R334	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J	
R335	VE-30014078	RESISTOR SMD	1/16W 22R J	
R336	VE-30012987	RESISTOR SMD	1/16W 56R J	
R337	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J	
R338	VE-30014078	RESISTOR SMD	1/16W 22R J	
R339	VE-30014078	RESISTOR SMD	1/16W 22R J	
R340	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J	
R341	VE-30014078	RESISTOR SMD	1/16W 22R J	
R342	VE-30014078	RESISTOR SMD	1/16W 22R J	
R343	VE-30014078	RESISTOR SMD	1/16W 22R J	
R344	VE-30012987	RESISTOR SMD	1/16W 56R J	
R345	VE-30012987	RESISTOR SMD	1/16W 56R J	
R346	VE-30012987	RESISTOR SMD	1/16W 56R J	
R347	VE-30012987	RESISTOR SMD	1/16W 56R J	
R375	VE-30018372	RESISTOR SARRAY	1/16W 22R J	
R376	VE-30018372	RESISTOR SARRAY	1/16W 22R J	
R377	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J	
R378	VE-30018372	RESISTOR SARRAY	1/16W 22R J	
R379	VE-30018372	RESISTOR SARRAY	1/16W 22R J	
R380	VE-30018372	RESISTOR SARRAY	1/16W 22R J	
R381	VE-30018372	RESISTOR SARRAY	1/16W 22R J	
R382	VE-30012677	RESISTOR SMD	1/16W 3.3K J	
R457	VE-30014022	RESISTOR SMD	1/16W 47R J	
R459	VE-30012688	RESISTOR SMD	1/16W 390R J	
R465	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R466	VE-30012641	RESISTOR SMD	1/16W 10K J	
R467	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R468	VE-30012641	RESISTOR SMD	1/16W 10K J	
R469	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R470	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R471	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R472	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R500	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R501	VE-30012509	RESISTOR SMD	1/16W 100K J	
R502	VE-30012641	RESISTOR SMD	1/16W 10K J	
R503	VE-30012641	RESISTOR SMD	1/16W 10K J	
R504	VE-30014420	RESISTOR SMD	1/16W 10K F	
R505	VE-30014420	RESISTOR SMD	1/16W 10K F	
R506	VE-30012641	RESISTOR SMD	1/16W 10K J	
R507	VE-30012668	RESISTOR SMD	1/16W 220R J	
R508	VE-30014420	RESISTOR SMD	1/16W 10K F	
R509	VE-30014420	RESISTOR SMD	1/16W 10K F	
R510	VE-30030692	FERRITE NET	120R/100MHz 150mA	
R511	VE-30030692	FERRITE NET	120R/100MHz 150mA	
R512	VE-30012658	RESISTOR SMD	1/16W 1M J	
R513	VE-30030692	FERRITE NET	120R/100MHz 150mA	
R514	VE-30030692	FERRITE NET	120R/100MHz 150mA	
R515	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R516	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R517	VE-30030692	FERRITE NET	120R/100MHz 150mA	
R518	VE-30014420	RESISTOR SMD	1/16W 10K F	
R519	VE-30030692	FERRITE NET	120R/100MHz 150mA	
R520	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R521	VE-30014128	RESISTOR SMD	1/16W 33R J	
R522	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R523	VE-30012641	RESISTOR SMD	1/16W 10K J	
R524	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R525	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J	
R526	VE-30012668	RESISTOR SMD	1/16W 220R J	
R527	VE-30012668	RESISTOR SMD	1/16W 220R J	
R528	VE-30012641	RESISTOR SMD	1/16W 10K J	
R529	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R530	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R531	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R532	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R533	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R534	VE-30013001	RESISTOR SMD	1/16W 1K F	
R535	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R536	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R537	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R538	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R539	VE-30012692	RESISTOR SMD	1/16W 4.7K J	
R543	VE-30014420	RESISTOR SMD	1/16W 10K F	
R544	VE-30014420	RESISTOR SMD	1/16W 10K F	

⚠Ref No.	Part No.	Part Name	Description Local
R545	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R546	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R547	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R548	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R549	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R550	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R551	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R552	VE-30012641	RESISTOR SMD	1/16W 10K J
R553	VE-30012641	RESISTOR SMD	1/16W 10K J
R554	VE-30012510	RESISTOR SMD	1/16W 100R J
R555	VE-30012510	RESISTOR SMD	1/16W 100R J
R556	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R557	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R558	VE-30012677	RESISTOR SMD	1/16W 3.3K J
R600	VE-30012683	RESISTOR SMD	1/16W 330K J
R601	VE-30012683	RESISTOR SMD	1/16W 330K J
R602	VE-30012663	RESISTOR SMD	1/16W 200K J
R603	VE-30012700	RESISTOR SMD	1/16W 51K J
R604	VE-30012641	RESISTOR SMD	1/16W 10K J
R605	VE-30012641	RESISTOR SMD	1/16W 10K J
R606	VE-30012641	RESISTOR SMD	1/16W 10K J
R607	VE-30012665	RESISTOR SMD	1/16W 20K J
R608	VE-30012641	RESISTOR SMD	1/16W 10K J
R609	VE-30013001	RESISTOR SMD	1/16W 1K F
R610	VE-30012641	RESISTOR SMD	1/16W 10K J
R611	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R612	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R613	VE-30000526	RESISTOR CF	1/4W 1.5K J
R614	VE-30000622	RESISTOR CF	1/4W 270R J
R615	VE-30000633	RESISTOR CF	1/4W 27K J
R616	VE-30000504	RESISTOR CF	1/4W 120K J
R617	VE-30012659	RESISTOR SMD	1/16W 2.2K J
R620	VE-30012509	RESISTOR SMD	1/16W 100K J
R651	VE-30012510	RESISTOR SMD	1/16W 100R J
R652	VE-30012510	RESISTOR SMD	1/16W 100R J
R653	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R655	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R656	VE-30014078	RESISTOR SMD	1/16W 22R J
R658	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R659	VE-30014078	RESISTOR SMD	1/16W 22R J
R661	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R662	VE-30014078	RESISTOR SMD	1/16W 22R J
R663	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R664	VE-30014078	RESISTOR SMD	1/16W 22R J
R665	VE-30014078	RESISTOR SMD	1/16W 22R J
R666	VE-30012987	RESISTOR SMD	1/16W 56R J
R667	VE-30012987	RESISTOR SMD	1/16W 56R J
R700	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R701	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R702	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R703	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R704	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R705	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R706	VE-30014022	RESISTOR SMD	1/16W 47R J
R707	VE-30014022	RESISTOR SMD	1/16W 47R J
R708	VE-30014022	RESISTOR SMD	1/16W 47R J
R709	VE-30012692	RESISTOR SMD	1/16W 4.7K J
R710	VE-30014420	RESISTOR SMD	1/16W 10K F
R711	VE-30014420	RESISTOR SMD	1/16W 10K F
R712	VE-30014420	RESISTOR SMD	1/16W 10K F
R713	VE-30014420	RESISTOR SMD	1/16W 10K F
R714	VE-30014420	RESISTOR SMD	1/16W 10K F
R715	VE-30012660	RESISTOR SMD	1/16W 2.2M J
R716	VE-30012673	RESISTOR SMD	1/16W 270R J
R717	VE-30017653	RESISTOR SARRAY	1/16W 47RX4 J
R718	VE-30012684	RESISTOR SMD	1/16W 330R J
R742	VE-30012642	RESISTOR SMD	1/16W 120K J
R743	VE-30012642	RESISTOR SMD	1/16W 120K J
R744	VE-30012696	RESISTOR SMD	1/16W 47K J
R745	VE-30012708	RESISTOR SMD	1/16W 68K J
R746	VE-30012685	RESISTOR SMD	1/16W 33K J
R747	VE-30012641	RESISTOR SMD	1/16W 10K J
R748	VE-30012641	RESISTOR SMD	1/16W 10K J
R749	VE-30012509	RESISTOR SMD	1/16W 100K J
R750	VE-30012510	RESISTOR SMD	1/16W 100R J
R750	VE-30012644	RESISTOR SMD	1/16W 12K J
R751	VE-30012510	RESISTOR SMD	1/16W 100R J
R751	VE-30012641	RESISTOR SMD	1/16W 10K J
R752	VE-30012696	RESISTOR SMD	1/16W 47K J
R753	VE-30012644	RESISTOR SMD	1/16W 12K J
R753	VE-30012696	RESISTOR SMD	1/16W 47K J
R754	VE-30012696	RESISTOR SMD	1/16W 47K J
R755	VE-30012510	RESISTOR SMD	1/16W 100R J
R756	VE-30012657	RESISTOR SMD	1/16W 1K J
R757	VE-30014420	RESISTOR SMD	1/16W 10K F
R758	VE-30014420	RESISTOR SMD	1/16W 10K F
R759	VE-30014022	RESISTOR SMD	1/16W 47R J
R760	VE-30014128	RESISTOR SMD	1/16W 33R J
R761	VE-30014128	RESISTOR SMD	1/16W 33R J
R762	VE-30014128	RESISTOR SMD	1/16W 33R J
R763	VE-30012671	RESISTOR SMD	1/16W 24K J
R908	VE-30014420	RESISTOR SMD	1/16W 10K F
R909	VE-30014420	RESISTOR SMD	1/16W 10K F
L100	VE-30001996	FIXED COIL	22uH Q40 K
L100	VE-30002002	FIXED COIL	47uH Q60 K
L101	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L101	VE-30001996	FIXED COIL	22uH Q40 K
L101	VE-30001996	FIXED COIL	22uH Q40 K
L102	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L102	VE-30001979	FIXED COIL	1uH Q45 M-A
L102	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L103	VE-30001979	FIXED COIL	1uH Q45 M-A
L103	VE-30001979	FIXED COIL	1uH Q45 M-A
L103	VE-30011450	FIXED COIL	22uH 5.4A
L104	VE-30018093	FIXED COIL SMD	3.3uH J Q30 185mA
L105	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L105	VE-30007771	FIXED COIL	100UH
L106	VE-30001996	FIXED COIL	22uH Q40 K
L106	VE-30011450	FIXED COIL	22uH 5.4A
L107	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L108	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L109	VE-30001996	FIXED COIL	22uH Q40 K
L110	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L111	VE-30001979	FIXED COIL	1uH Q45 M-A
L112	VE-30018093	FIXED COIL SMD	3.3uH J Q30 185mA
L113	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L114	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L115	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L116	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L117	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L118	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L119	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L120	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L121	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L122	VE-30001994	FIXED COIL	22uH J AXIAL
L123	VE-30001996	FIXED COIL	22uH Q40 K
L124	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L125	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L126	VE-30001994	FIXED COIL	22uH J AXIAL
L127	VE-30001996	FIXED COIL	22uH Q40 K
L265	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L266	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L267	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L268	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L269	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L270	VE-30001968	FERRITE SMD	200R/100MHz 200mA
L271	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L272	VE-30001968	FERRITE SMD	200R/100MHz 200mA
L273	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L274	VE-30001968	FERRITE SMD	200R/100MHz 200mA
L275	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L276	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L277	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L280	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L281	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L282	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L283	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L284	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L325	VE-30017542	FIXED COIL SMD	10uH J Q25 155mA
L326	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L375	VE-30001992	FIXED COIL	10uH Q65 K-A
L450	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L500	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L501	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L600	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L601	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L602	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L603	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L604	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L605	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L606	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L607	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L608	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L609	VE-30011450	FIXED COIL	22uH 5.4A
L610	VE-30006712	FERRITE BEAD	3.5X4.7X0.8
L650	VE-30017542	FIXED COIL SMD	10uH J Q25 155mA
L651	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L700	VE-30002170	FERRITE CORE	1A RAD (FTZ)
L701	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L702	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L703	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L704	VE-30001971	FERRITE SMD	600R/100MHz 200mA
L718	VE-30024779	FERRITE SMD	50R/100MHz 3A

⚠Ref No.	Part No.	Part Name	Description Local
L719	VE-30024779	FERRITE SMD	50R/100MHz 3A
L721	VE-30024779	FERRITE SMD	50R/100MHz 3A
L722	VE-30024779	FERRITE SMD	50R/100MHz 3A
L723	VE-30001999	FIXED COIL	40uH 4A RAD 8*10
L724	VE-30001999	FIXED COIL	40uH 4A RAD 8*10
L725	VE-30001999	FIXED COIL	40uH 4A RAD 8*10
L726	VE-30001999	FIXED COIL	40uH 4A RAD 8*10
L727	VE-30017624	DIODE	SCHOTTKY SB560 5A/60V DO-201AD
L729	VE-30011450	FIXED COIL	22uH 5.4A
L750	VE-30001996	FIXED COIL	22uH Q40 K
F100	VE-20000849	FUSE	3.15A
JK100	VE-30001902	HEADPHONE JACK	STEREO WO/SW
JK101	VE-30001893	RCA JACK	1P YELLOW 28 FAV
JK102	VE-30001891	RCA JACK	1P WHITE 28 FAV
JK103	VE-30001892	RCA JACK	1P RED 28 FAV
JK104	VE-30001895	JACK	4P DIN TYPE FOR SVHS
JK265	VE-30001902	HEADPHONE JACK	STEREO WO/SW
JK266	VE-30001891	RCA JACK	1P WHITE 28 FAV
JK267	VE-30001892	RCA JACK	1P RED 28 FAV
SW1	VE-30002181	TACT SWITCH	
SW2	VE-30002181	TACT SWITCH	
SW3	VE-30002181	TACT SWITCH	
SW4	VE-30002181	TACT SWITCH	
SW7	VE-30002181	TACT SWITCH	
SW8	VE-30002181	TACT SWITCH	
SW9	VE-30002181	TACT SWITCH	
⚠TU100	VE-30020655	TUNER WSP (PLL)	38.9 TMK3-HORIZONTAL-PIP
⚠TU101	VE-30020654	TUNER WSP (PLL)	38.9 MK3 - HORIZONTAL
X100	VE-30002851	CLYSTAL	4.000 30p HC49U
X101	VE-30002851	CLYSTAL	4.000 30p HC49U
X102	VE-30001756	CLYSTAL	18.432 12p HC49U
X325	VE-30001741	CLYSTAL	24.576 20p HC49U
X500	VE-30017946	CLYSTAL	14.318 MHZ
X650	VE-30001741	CLYSTAL	24.576 20p HC49U
X700	VE-30001736	CLYSTAL	10.000 30p HC49U
X750	VE-30001737	CLYSTAL	12.000 20p HC49U
Z100	VE-30001692	SAW FILTER	OFWK3953M
Z101	VE-30012545	SAW FILTER	K9656M
Z102	VE-30001692	SAW FILTER	OFWK3953M
Z103	VE-30012545	SAW FILTER	K9656M

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	VE-20186614	CARTON BOX	TOP, BOTTOM 1SET	LT-30E45SJ
	1	VE-20185767	CARTON BOX	TOP, BOTTOM 1SET	LT-30E45SU,LT-30E45SU/Z
	1	VE-20186619	CARTON BOX	TOP, BOTTOM 1SET	LT-30E45SU/N
	2	VE-20152218	SNOW BOX ASSY	4pcs in 1set	
	3	VE-35009248	SUPPORT BRACKET		LT-30E45SU/N
	4	VE-30034032	REMOTE CONTROL UNIT	RM-C1860	
⚠	5	VE-50060086	INST BOOK	Bulgarian/Russian/Romanian	LT-30E45SU,LT-30E45SU/Z
⚠	6	VE-50060084	INST BOOK	Portuguese/Dutch/Spanish	LT-30E45SU,LT-30E45SU/Z
⚠	7	VE-50059497	INST BOOK	Polish/Czech/Hungarian	LT-30E45SU,LT-30E45SU/N,LT-30E45SU/Z
⚠	8	VE-50059496	INST BOOK	Danish/Finn/Norwegian/Swedish	LT-30E45SU,LT-30E45SU/N,LT-30E45SU/Z
⚠	9	VE-50059494	INST BOOK	English/German/French/Italian	LT-30E45SU,LT-30E45SU/N,LT-30E45SU/Z
⚠	10	VE-50059704	INST BOOK	English	LT-30E45SJ
⚠	11	VE-30028238	POWER CORD		LT-30E45SJ
⚠	11	VE-30024540	POWER CORD		LT-30E45SU,LT-30E45SU/N
⚠	11	VE-30035135	POWER CORD		LT-30E45SU/Z
	12	--------	WARANTY CARD	BT-54023-1E	
	13	--------	BATTERY	AA/R06(x2)	
	14	VE-50038565	POLY BAG		

Other ManualsLib Projects

www.manualslib.com

www.manualslib.de

www.manualslib.es

www.manualslib.fr

www.manualslib.nl

www.manualslib.mx

www.manualslib.tech 30+ Languages